

Wellness System

INSTALLATION GUIDE

REV. 4.6



The Wellness Company

The information contained in this manual is intended for QUALIFIED TECHNICIANS who have completed a specific TECHNOGYM training course and are authorized to perform machine start-up and adjustment procedures as well as extraordinary maintenance or repairs which require a thorough knowledge of the machine, its operation, its safety devices and working procedures.

**CAREFULLY READ THE INFORMATION CONTAINED IN
THIS MANUAL BEFORE PERFORMING ANY MAINTENANCE
PROCEDURES ON THE MACHINE**



**DANGEROUS VOLTAGES
PRESENT EVEN WHEN THE
MACHINE IS TURNED OFF**

NOTE

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1. GENERAL NOTICES

1.1. INTRODUCTION

This document is reserved for Technogym Service technicians, and is intended to provide authorized personnel with the necessary information to correctly carry out repairs and maintenance. A thorough knowledge of the technical information contained in this manual is essential for completing the professional training of the operator.

In order to facilitate consultation, the paragraphs are accompanied by schematic illustrations highlighting the topic covered.

This manual contains notices and symbols which have a specific meaning:



WARNING: failure to observe may result in accident or injury.



ATTENTION: failure to observe may cause damage to the machine.



Information about the operation in progress.



OBSERVE: observation about the operation in progress.

1.2. RECOMMENDATIONS

Technogym recommends the following steps for planning repair procedures:

- Carefully evaluate the customer's description of the machine malfunction and ask all the necessary questions to clarify the symptoms of the problem.
- Clearly diagnose the causes of the problem. This manual provides the fundamental theoretical basis, which must then be integrated by personal experience and attendance at the training courses periodically offered by Technogym.
- Rationally plan the repair procedure so as to minimize the downtime necessary for procuring spare parts, preparing tools, etc.
- Access the component to be repaired, avoiding any unnecessary operations. In this regard it will be useful to refer to the disassembly sequence described in this manual.

1.3. GENERAL RULES FOR REPAIR PROCEDURES

1. Always mark any parts or positions which may be confused with each other at the time of reassembly.
2. Use original Technogym spare parts and lubricants of the recommended brands.
3. Use special tools where specified.
4. Consult the technical bulletins, which may contain more up-to-date information on adjustments and maintenance than is contained in this manual.
5. Before starting the repair procedure, make sure that the recommended tools are available and in good condition.
6. Use only the tools specified for the procedures described in this manual.

 **WARNING: The tool sizes quoted in this manual are expressed in mm.**

2. HW UPGRADE OF CARDIOVASCULAR MACHINES

2.1. INTRODUCTION

This guide contains all the information necessary to implement the required modifications to make the cardiovascular machines of the Race, XT and XTPRO lines compatible with the Wellness System.

The basic element of the Wellness System is an electronic “key” containing EEPROM memory called the TGS, shown in the figure below:



Figure 2.1-1

In order to ensure that the machines can read and write data from and to the TGS, an additional read/write device, in turn called a “Retrofit”, must be installed on the machine. The retrofit is shown in the picture below:



Figure 2.1-2

Our job will be to install the Retrofit kit, with eventually corresponding EPROM, on the machines that are to be used with TGS, then test their operation.

There are two different types of Retrofit, which are identical externally, but differ in the electronics they contain called TLCBR board. One Retrofit model (XT RS 232) is used on all machines in the XTPRO, XT line, Spin Trainer and Rowrace. The other model (RACE RS 485) is used on Runrace, Steprace and Bikerace. In case the Retrofits are not labeled on the outside, as they should be, the model may be identified by looking at the TLCBR board. The model RS 232 differs from the 485 in the absence of some components on the board. Figure 2.1-3 and Figure 2.1-4 demonstrate these circuit differences.

- **TLCBR board, model XT RS 232**

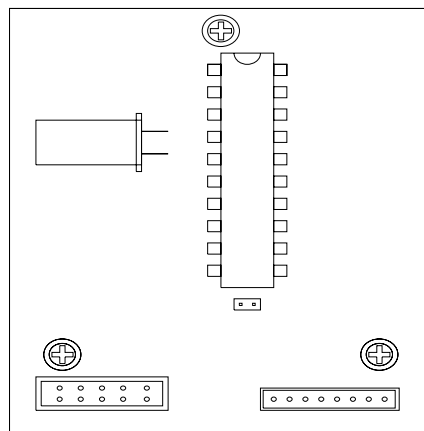


Figure 2.1-3

- **TLCBR board, model RACE RS 485**

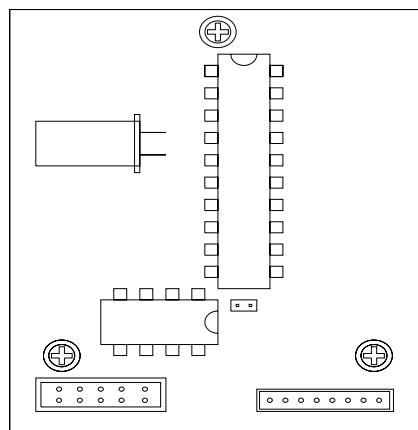


Figure 2.1-4

Retrofit uses a serial port to communicate with the CPU of the control panel. Thus once all machines are upgraded to the Wellness System:

- that previously had the capability can no longer print nor be connected to Cardio Memory;
- the race function in Bikerace, Steprace and Rowrace (versus the other machines only) is disabled.



WARNING: It is extremely important to disconnect any race cables previously used when a machine is modified to operate with TGS. If this is not done, there will certainly be program crashes and various malfunctions.

Retrofit is powered with a voltage of +12 Vdc drawn from the control panel through the same cable used for serial communication.



WARNING: On the TLCBR is installed a microchip: take care that the SW version is equal or greater than 3.2.

There are machines where the CPU of the control panel has already been adapted to function with TGS, and others where the CPU is not adapted. When modifying a machine to make it compatible with TGS, **the first thing that must be done is to check whether or not the CPU of the control panel is adapted, and then install the Retrofit kit.** The installation procedure will differ, even on the same machine, based on whether or not the CPU is adapted for TGS.

A certain number of machines in the XT line, especially the Bike XT, do not have the necessary holes on the control panel support plate for fixing Retrofit. To modify the control panel support plate of a machine in the XT line, refer to section 2.6. "Drilling the XT line control panel support plate".

2.2. IDENTIFYING A CONTROL PANEL ADAPTED TO INTERFACE WITH TGS

The first thing to do when working on a machine in the Race or XT line to make it compatible with TGS is to check whether or not the CPU of the control panel has been adapted to operate with TGS.



The XTPRO Line machine are already adapted.

The following paragraphs explain how to determine whether a machine control panel has been modified to operate with TGS.

2.2.1. BIKERACE/STEPTRACE

Disassemble the control panel. If the machine is adapted to operate with TGS, you should see a jumper on the back of the panel. There should be three pins with a mobile jumper that can short-circuit the pins 1 and 2 or 2 and 3, alternately. There are two different panel versions:

- In one the jumper is positioned vertically in the central slot on the back of the control panel;
- In the other the jumper is positioned horizontally in the right slot. An AMP MODU II 8-pin male connector must always be installed in the left slot to the left of the AMP MODU I 12-pin connector.

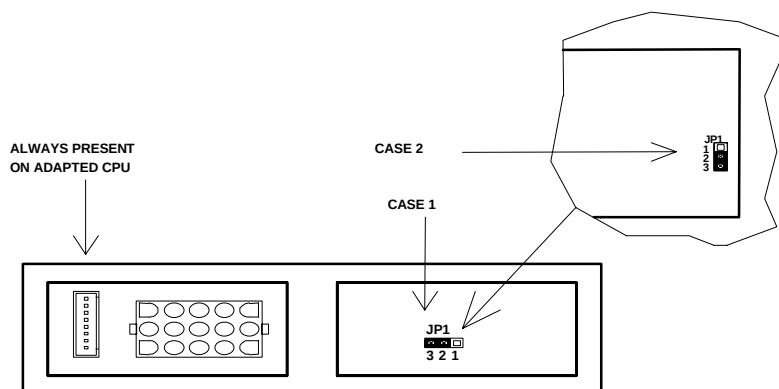


Figure 2.2-1

2.2.2. RUNRACE

Disassemble the control panel. If the machine is adapted to operate with TGS, you should see a black AMP MODU II 8-pin connector in the right slot, in the top right corner, looking from the back of the panel.

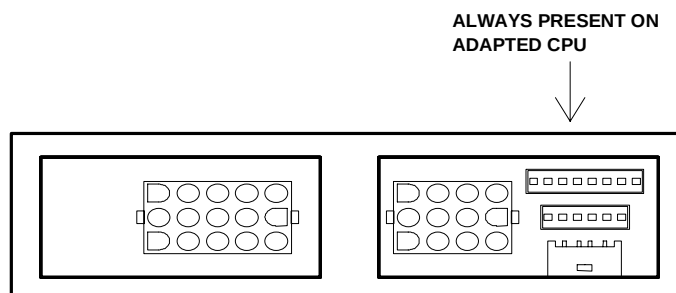


Figure 2.2-2

2.2.3. ROWRACE

There are no adapted CPUs, the same procedure must be adopted for all machines.

2.2.4. XT LINE (ALL)

Disassemble the control panel. You must use a tester to determine whether the machine is adapted to operate with TGS. If there is continuity between the pins 1 of CN1 (white AMP MODU I 12-pin connector) and 1 of CN2 (black AMP MODU II 6-pin male connector) the board is adapted.

2.3. INSTALLING THE RETROFIT KIT ON NON-ADAPTED CARDIO MACHINES

2.3.1. XT LINE (NOT SPIN TRAINER)

Material required for the upgrade:

- qty. 1 E031 (Bike XT);
- qty. 1 E032 (Step XT);
- qty. 1 E033 (Run XT);
- qty. 1 E034 (Recline XT);
- qty. 1 E037 (Top XT);
- qty. 1 E038 (Rotex XT).

1. Disassemble the control panel.
2. If the machine has the old keyboard, replace the EPROM with a version that controls TGS. If the machine has a new keyboard with a SW version equal or greater than 3.0, do not replace the EPROM installed because using that SW, at the start up the machine is able to automatically configure itself to the TGS as soon as it detects the retrofit kit connected to the serial port.
3. Disconnect the keyboard and disassemble the control panel board.
4. Solder a cable between pin 1 of the connector CN2 and pin 1 of the connector CN5 on the component side as shown in the figure below:

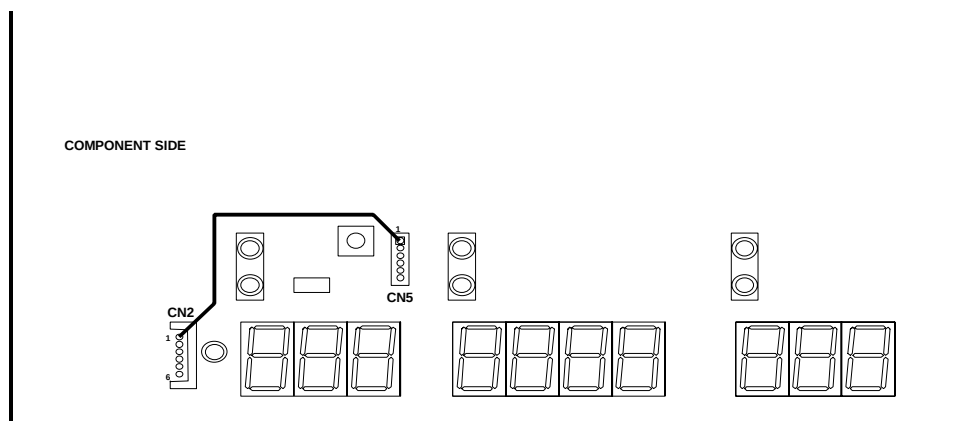


Figure 2.3-1



Even after completing this operation there is no continuity between pin 1 of CN1 (white AMP MODU I 12-pin connector) and 1 of CN2 (black AMP MODU II 6-pin male) on the CPU board.

5. Fasten the wire in place using a glue gun or a drop of silicone for electronic circuits.
6. Remount the board in the panel and reconnect the keyboard.
7. If necessary, drill holes in the control panel support plate (refer to the section 2.6. “Drilling the XT line control panel support plate”).
8. Remove the cap covering the hole for the connector DB9 from the plate where the control panel is attached (with Top XT the adhesive on the plate must be cut).

9. Fasten Retrofit to the control panel support plate with the 4 self-tapping screws TBIC 4.8 x 13 (code 0Z737) supplied in the kit.
10. Take the TGSRN2XT cable (AMP MODU II 6-pin female connector on one side, male panel connector DB9 on the other) from the modification kit.
11. Fasten the male panel connector DB9 to the control panel support plate using the turrets supplied in the kit.
12. Connect the AMP MODU II 6-pin female connector located at the other end of the same cable to the connector CN2 (AMP MODU II 6-pin male) located on the control panel.
13. Remount the control panel.
14. Connect Retrofit to the panel connector DB9 attached to the control panel support plate.
15. Test the machine operation with and without TGS.

2.3.2. SPIN TRAINER

Material required for the upgrade: qty. 1 E036

1. Disassemble the control panel.
2. Replace the EPROM with a version that controls TGS.
3. Disconnect the keyboard and disassemble the control panel board.
4. Solder a cable between pin 1 of the connector CN2 and pin 1 of the connector CN5 on the component side.



Even after completing this operation there is no continuity between pin 1 of CN1 (white AMP MODU I 12-pin connector) and 1 of CN2 (black AMP MODU II 6-pin male) of the CPU board.

5. Fasten the wire in place using a glue gun or a drop of silicone for electronic circuits.
6. Remount the board in the panel and reconnect the keyboard.
7. Disassemble the connector DB9 from the control panel support plate, with relevant connection cable to the CPU board, originally installed for connection to a printer.
8. If necessary, drill holes in the control panel support plate (refer to the section 2.6. "Drilling the XT line control panel support plate").
9. Fasten Retrofit to the control panel support plate with the 4 self-tapping screws TBIC 4.8 x 13 (code 0Z737) supplied in the kit.
10. Take the TGSRN2XT cable (AMP MODU II 6-pin female connector on one side, male panel connector DB9 on the other) from the modification kit.
11. Using the turrets supplied in the kit, fasten the male panel connector DB9 to the control panel support plate where the connector for the printer was previously installed.
12. Connect the AMP MODU II 6-pin female connector located at the other end of the same cable to the connector CN2 (AMP MODU II 6-pin male) located on the control panel.
13. Remount the control panel.
14. Connect Retrofit to the panel connector DB9 attached to the control panel support plate.
15. Test the machine operation with and without TGS.

2.3.3. RUNRACE

Material required for the upgrade: qty. 1 E121

1. Disassemble the control panel.
2. Remove the rubber cap covering the EPROMs from the back of the control panel.

3. Replace the EPROMs with a version that controls TGS.
4. Remove the three screws TSPIC M3 x 5 (positions A, B and C in the figure below) from the back of the control panel, which must be replaced with the three screws TSPIC M3 x 14 (code 0Z770) supplied in the kit:

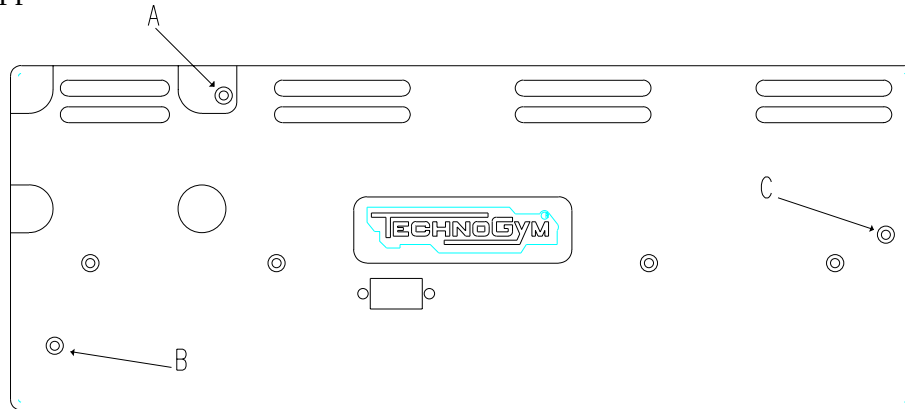


Figure 2.3-2

5. Pass the connection cable TGSRN2RACE through the control panel and fasten Retrofit, which is supplied already installed on the flange (code 0V2076), to the control panel box using the three screws TSPIC M3 x 14 (code 0Z770) supplied in the kit and two of the screws TSPIC M3 x 5 previously removed. The screws TSPIC M3 x 14 (code 0Z770) are used when connecting to the electronics support turrets.
6. Connect Retrofit to the connector DB9 located on the flange (code 0V2076) now attached to the control panel.
7. Insert the adapter cable TGSRN3RUN contained in the modification kit into the AMP MODU I 12-pin and 15-pin connectors of the control panel.
8. Connect the AMP MODU II 8-pin female connector of the cable TGSRN2RACE to the AMP MODU II 8-pin male connector of the adapter cable TGSRN3RUN.
9. Remount the control panel.
10. Test the machine operation with and without TGS.

2.3.4. ROWRACE

Material required for the upgrade: qty. 1 E030

1. Disassemble the keyboard from its support.
2. Disconnect the keyboard.
3. Disassemble the keyboard support.
4. Fasten the panel connector DB9 of the cable TGSRN2ROW (used to carry the signal from Retrofit to the CPU) included in the kit to the new keyboard support, also contained in the modification kit, which will be installed on the machine.
5. Pass the cable TGSRN2ROW through the aluminum cable guide to carry the signal from Retrofit to the CPU.
6. Fasten Retrofit to the support plate contained in the modification kit using the 4 screws TBIC 4.8 x 13 (code 0Z737) contained in the modification kit.
7. Connect Retrofit to the connector DB9 positioned on the new keyboard support which will be fastened to the machine.
8. Fasten the new keyboard support to the cable guide.
9. Reconnect the keyboard.

10. Fasten the keyboard to the support, using the two screws, the two washers and the two spacers supplied in the modification kit, also locking the Retrofit support plate.
11. Connect the female connector DB9 of the cable TGSRN3ROW (the second cable supplied in the modification kit) to the connector CN11 in the Rowrace CPU.
12. Connect the yellow monopolar cable to the pin 2 of CN2 connector of the clutch interface board.
13. Connect the other end of the cable TGRRN3ROW (AMP MODU II 4-pin female connector) to the cable TGSRN2ROW coming from the keyboard support.
14. Replace the EPROMs with a version that controls TGS, and set all of the dip switches on the CPU to "ON" (see the section "Software update procedure" in the Rowrace troubleshooting guide).
15. Test the machine operation with and without TGS.

2.3.5. BIKERACE/STEPTRACE

Material required for the upgrade:

- qty. 1 E120 (Bikerace);
- qty. 1 E122 (Steprace).

1. Disassemble the control panel.
2. Remove the rubber cap covering the EPROM from the back of the control panel.
3. Replace the EPROM with a version that controls TGS.



WARNING: When working on a Steprace, check whether or not it has an automatic exercise mode selection switch (A or B). Consequently, configure the dip switches of the CPU as described in section 2.5. "Configuring the Steprace EPROM".

4. Remove the three screws TSPIC M3 x 5 from the back of the control panel, which must be replaced with the three screws TSPIC M3 x 14 (code 0Z770) supplied in the kit (see Figure 2.3-2).
5. Pass the cable TGSRN2RACE (already fastened to the flange 0V2076) through the control panel and fasten the flange, on which Retrofit is already fitted, to the control panel box using the three screws TSPIC M3 x 14 (code 0Z770) supplied in the kit and two of the screws M3 x 5 previously removed. The screws TSPIC M3 x 14 (code 0Z770) are used when connecting to the electronics support turrets.
6. Connect Retrofit to the connector DB9 located on the flange code 0V2076 now attached to the control panel.

Bikerace:

- Fasten the box containing the half/full converter supplied in the modification kit to the inside of the Bikerace lower access door, using the clamps supplied in the kit.
- Connect the cable TGSRN4BIKE from the box containing the board to one of the connectors normally used for the race cables.

Steprace:

- Fasten the box containing the half/full converter supplied in the modification kit to the inside of the machine near the hole in the plate code OC629 (see exploded drawing), using the clamps supplied in the modification kit.

- Connect the cable TGSRN4BIKE leaving the box containing the board to one of the connectors normally used for the race cables. Pass the cable through the hole in the plate code 0C629.
6. Pass the cable TGSRN3BIKE through the machine frame starting from the control panel until reaching the box containing the conversion board.
 7. Connect one side of the cable TGSRN3BIKE (AMP MODU II 8-pin male connector) to the cable TGSRN2RACE from the flange fixed to the control panel, and the other side (9-pin female circular connector) to the box containing the conversion board.
 8. Remount the control panel.
 9. Test the machine operation with and without TGS.

2.4. INSTALLING THE RETROFIT KIT ON ADAPTED CARDIO MACHINES

2.4.1. XT LINE (NOT SPIN TRAINER)

Material required for the upgrade:

- qty. 1 E031 (Bike XT);
- qty. 1 E032 (Step XT);
- qty. 1 E033 (Run XT);
- qty. 1 E034 (Recline XT);
- qty. 1 E037 (Top XT);
- qty. 1 E038 (Rotex XT).

1. Disassemble the control panel
2. If the machine has the old keyboard, replace the EPROM with a version that controls TGS. If the machine has a new keyboard with a SW version equal or greater than 3.0, do not replace the EPROM installed because using that SW, at the start up the machine is able to automatically configure itself to the TGS as soon as it detects the retrofit kit connected to the serial port.
3. If necessary, drill holes in the control panel support plate (refer to the section 2.6. "Drilling the XT line control panel support plate").
4. Remove the cap covering the hole for the connector DB9 from the plate where the control panel is attached (with Top XT the adhesive on the plate must be cut).
5. Fasten Retrofit to the control panel support plate with the 4 self-tapping screws TBIC 4.8 x 13 (code 0Z737) supplied in the kit.
6. Take the cable TGSRN2XT (AMP MODU II 6-pin female connector on one side, male panel connector DB9 on the other) from the modification kit.
7. Fasten the male panel connector DB9 to the control panel support plate using the turrets supplied in the kit.
8. Connect the AMP MODU II 6-pin female connector located at the other end of the same cable to the connector CN2 (AMP 6-pin male) located on the control panel.
9. Remount the control panel.
10. Connect Retrofit to the panel connector DB9 attached to the control panel support plate.
11. Test the machine operation with and without TGS.

2.4.2. SPIN TRAINER

Material required for the upgrade: qty. 1 E036

1. Disassemble the control panel.
2. Replace the EPROM with a version that controls TGS.
3. Disassemble the connector DB9 from the control panel support plate, with the corresponding connection cable to the CPU board, originally installed for connection to a printer.
4. If necessary, drill holes in the control panel support plate (refer to the section 2.6. "Drilling the XT line control panel support plate").
5. Fasten Retrofit to the control panel support plate with the 4 self-tapping screws TBIC 4.8 x 13 (code 0Z737) supplied in the kit.
6. Take the cable TGSRN2XT (AMP MODU II 6-pin female connector on one side, male panel connector DB9 on the other) from the modification kit.

7. Using the turrets supplied in the kit, fasten the male panel connector DB9 to the control panel support plate where the connector for the printer was previously installed.
8. Connect the AMP MODU II 6-pin female connector located at the other end of the same cable to the connector CN2 (AMP MODU II 6-pin male) located on the control panel.
9. Remount the control panel.
10. Connect Retrofit to the panel connector DB9 attached to the control panel support plate.
11. Test the machine operation with and without TGS.

2.4.3. XTPRO LINE

Material required for the upgrade:

- qty. 1 E0000003 (All).
1. Disassemble the control panel
 2. Remove the cap covering the hole for the connector DB9 from the plate where the control panel is attached.
 3. Fasten Retrofit to the control panel support plate with the 4 self-tapping screws TBIC 4.8 x 13 (code 0Z737) supplied in the kit.
 4. Remount the control panel.
 5. Connect Retrofit to the panel connector DB9 attached to the control panel support plate.
 6. Test the machine operation with and without TGS.

2.4.4. RUNRACE

Material required for the upgrade: qty. 1 E025

1. Disassemble the control panel.
2. Disassemble the flange code 0V2076 (see Figure 2.3-2) from the back of the panel.
3. Replace the EPROMs with a version that controls TGS.
4. Remove the screw TSPIC M3 x 5 (see Figure 2.3-2 position A) from the back of the control panel, which must be replaced with the screw TSPIC M3 x 14 (code 0Z770) supplied in the modification kit.
5. Fasten Retrofit to the flange using the four screws TBIC 4.8 x 13 (code 0Z737) contained in the modification kit after using a screwdriver to punch out the four screw points of the flange, position A in the figure below

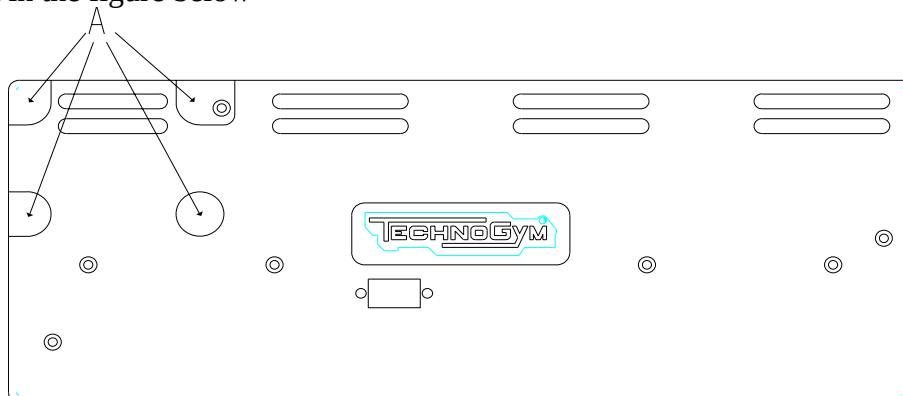


Figure 2.4-1

6. Attach the male panel connector DB9 of the cable TGSRN2RACE to the flange using the turrets supplied in the modification kit.
7. Pass the cable TGSRN2RACE through the control panel.
8. Connect the AMP MODU II 8-pin female round connector of the cable TGSRN2RACE to the AMP MODU II 8-pin male connector located on the Runrace CPU board.
9. Fasten the flange to the control panel using the 4 screws TSPIC M3 x 5 previously removed and the screw TSPIC M3 x 14 (code 0Z770) supplied in the modification kit. The screw TSPIC M3 x 14 (code 0Z770) is used when connecting to the electronics support turrets.
10. Connect Retrofit to the male connector DB9 on the flange.
11. Remount the control panel.
12. Test the machine operation with and without TGS.

2.4.5. ROWRACE

Material required for the upgrade: qty. 1 E030

All the Rowrace machines are identical. The procedure to be followed is described in the section 2.3. “Installing the retrofit kit on non-adapted cardio machines”.

2.4.6. BIKERACE/STEPTRACE

Material required for the upgrade:

- qty. 1 E020 (Bikerace);
- qty. 1 E021 (Steprace).

1. Disassemble the control panel.
2. Disassemble the flange code 0V2076 (see Figure 2.3-2) from the back of the panel.
3. Replace the EPROM with a version that controls TGS.



WARNING: When working on a Steprace, configure the dip switches of the CPU as described in section 2.5. “Configuring the Steprace EPROM”.

4. Move the position of jumper J2 (depending on the version, to the bottom right slot or to the central slot). If the jumper is in a vertical position in the central slot, it must be moved to the bottom (from position 1-2 to position 2-3). If the jumper is in a horizontal position in the right slot, it must be moved to the left, (from position 1-2 to position 2-3).
5. Remove the screw TSPIC M3 x 5 (Figure 2.3-2 position A) from the back of the control panel, which must be replaced with the screw TSPIC M3 x 14 (code 0Z770) supplied in the modification kit.
6. Fasten Retrofit to the flange using the four screws TBIC 4.8 x 13 (code 0Z737) contained in the modification kit after using a screwdriver to punch out the four screw points of the flange (see Figure 2.3-2).
7. Attach the male panel connector DB9 of the cable TGSRN2RACE to the flange using the turrets supplied in the modification kit.
8. Pass the cable TGSRN2RACE through the control panel.
9. Connect the AMP MODU II 8-pin female round connector of the cable TGSRN2RACE to the AMP MODU II 8-pin male connector on the CPU board.

10. Fasten the flange to the control panel using the 4 screws TSPIC M3 x 5 previously removed and the screw TSPIC M3 x 14 (code 0Z770) supplied in the modification kit. The screw TSPIC M3 x 14 (code 0Z770) is used when connecting to the electronics support turrets.
11. Connect Retrofit to the male connector DB9 located on the flange.
12. Remount the control panel.
13. Test the machine operation with and without TGS.

2.5. CONFIGURING THE STEPSPACE EPROM

The first models of Stepspace that were sold (from s/n 001 to s/n 206) were not fitted with the switch allowing automatic selection of the type of movement according to the pin position. In order to operate properly, the version TGS EPROM must know whether or not the machine on which it is installed is fitted with this switch.

For this reason a control has been added, which depending on the configuration of the set of 4 dip switches located on the back of the control panel (those previously used to assign the race number), disables or enables reading the automatic exercise mode selection device. In other words, if the dip switches are configured as shown below:

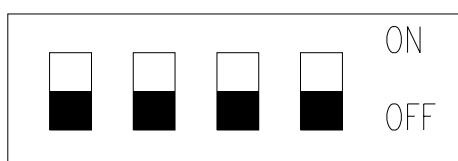


Figure 2.5-1

the machine software “senses” the signal originating from the switch activated by the selector, as occurs with the current machines.

If, however, the dip switches are configured as shown in the figure below:

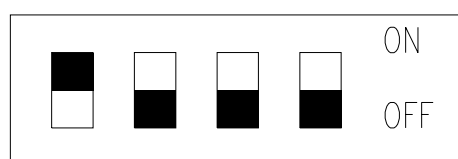


Figure 2.5-2

then when the machine is switched on and each time the CLEAR key is pressed, the user is prompted for the type of exercise mode to be used (A = Independent or B = Dependent).

Once a mode has been selected it cannot be changed until the end of an exercise or when the CLEAR key is pressed.

Obviously, the previous settings of these 4 dip switches are no longer used with the TGS software, since it is unnecessary to distinguish the different machines by assigning a race number.

2.6. DRILLING THE XT LINE CONTROL PANEL SUPPORT PLATE

On XT line machines, the Retrofit kit is attached to the control panel support plate with four screws. All current machines in the XT line have the control panel support plate modified with the four holes required for installing the Retrofit. However, this plate must be modified on a certain number of machines, mainly Bike XT, manufactured up to around February '96.

To modify the control panel support plate proceed as follows:

1. Disassemble the control panel.
2. Position a drilling template on the plate, using two of the control panel box fastening holes.
3. Drill 4 holes of 5.5 mm Ø.
4. Remove the drilling template.
5. Thoroughly clean all iron filings and shavings from the support plate.
6. Remount the control panel, already modified if necessary.



It is essential that anyone carrying out a TGS installation always keep the drilling templates on hand, since one cannot be sure that there are no machines requiring plate modification.

2.7. OPERATING TEST AFTER INSTALLING THE RETROFIT KIT

After the Retrofit kit has been installed, each machine must be tested to be sure it runs smoothly, both in normal mode, randomly testing some functions, and using TGS.

To check proper machine operation with TGS:

2.7.1. RACE LINE (NOT ROWRACE)

1. Program a TGS, if possible with the machine to be tested inserted in the training table.
2. Switch on the machine to be tested. The symbol TGS must appear on the LCD, followed by the EPROM version (the current release is 1.2 for all machines), and the Eur (Europe) symbol.
3. Make sure the green LED on Retrofit is on (Retrofit is powered)
4. Insert TGS in Retrofit. The red LED should come on and stay on for a few seconds.
5. The machine LCD will display the name of the user to which the inserted TGS is assigned for a few seconds.
6. At this point, if there is an exercise to be carried out on the test machine loaded in the training table inserted in TGS, the machine will immediately start with the exercise, or if the pulse rate band must be worn and you do not have it on, it will tell you to do so for the pulse rate reading. If there are no exercises to be carried out on the test machine, the LCD will indicate the next machine on which you should go and train.

2.7.2. ROWRACE

1. Program a TGS, if possible with Rowrace inserted in the training table.
2. Switch on Rowrace. After selecting the language at the bottom of the monitor, the instruction "Press start or insert TGS" should appear.
3. Make sure the green LED on Retrofit is on (Retrofit is powered).
4. Insert TGS in Retrofit. The red LED should come on and stay on for a few seconds.
5. At this point, if there is an exercise to be carried out on Rowrace in the training table inserted in TGS, the machine will immediately start with the exercise, or if the pulse rate band must be worn and you do not have it on, it will tell you to do so for the pulse rate reading. If there are no exercises to be carried out on the rowing machine, the LCD will indicate the next machine on which you should go and train.

2.7.3. XT-XTPRO LINE (SPIN TRAINER INCLUDED)

1. Program a TGS, if possible with the machine to be tested inserted in the training table.
2. Switch on the machine to be tested. The machine name and current EPROM version will be displayed on the control panel.
3. Make sure the green LED on Retrofit is on (the retrofit is powered).
4. Insert TGS in Retrofit. The red LED should come on and stay on for a few seconds.
5. The machine LCD will display the initials of the name and surname of the user to which the inserted TGS is assigned for a few seconds.
6. At this point, if there is an exercise to be carried out on the test machine loaded in the training table inserted in TGS, the machine will immediately start with the exercise, or if the pulse rate band must be worn and you do not have it on, it will tell you to do so for the pulse rate reading, drawing a flashing heart with the LEDs. If there are no exercises to be carried out on the test machine, the LCD will indicate the next machine on which you should go and train.

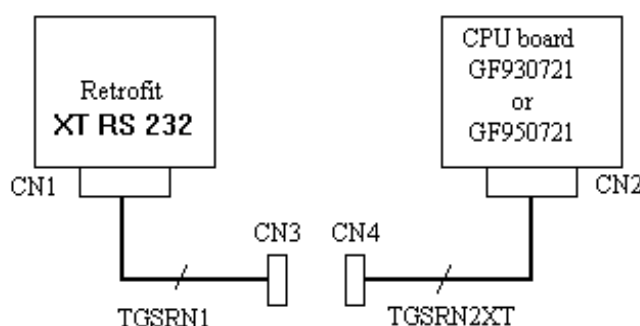
-  **OBSERVE:** When the modification and test operations have been completed, make sure the pulse rate receiver system (cardiotester receiver) is working properly on each machine.

2.8. BLOCK AND WIRING DIAGRAMS

This chapter contains the block diagrams which point out the various connections to be made in each machine during installation of the Retrofit kit. It also contains diagrams of all the cables contained in the different Retrofit kits with all the information necessary to recognize them and to check their integrity and operation.

2.8.1. XT LINE (ALL)

The block diagram and the cables used are identical for both adapted and non-adapted machines.

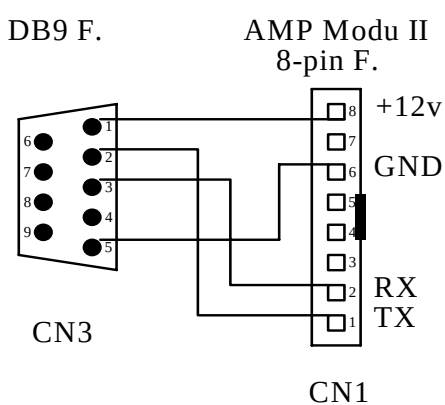


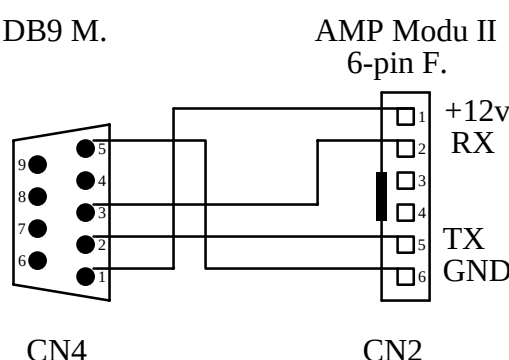
Block diagram 1

Connectors:

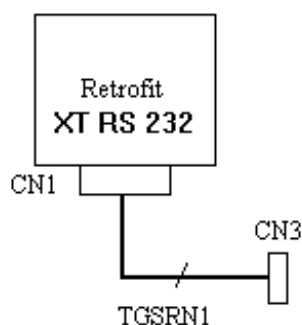
Connector	description
CN1	AMP MODU II 8-pin female connector (connected inside the Retrofit kit)
CN2	AMP MODU II 6-pin female connector to be connected to the connector CN2 on the CPU board
CN3	Female connector DB9
CN4	Male panel connector DB9

Cables:

TGSRN1: Connection cable Control panel support plate – Retrofit			
			
CN3	Signal	Color	CN1
1	+12 V	Yellow	8
5	GND	Green	6
3	RX	Brown	2
2	TX	White	1

TGSRN2XT: Connection cable Control panel support plate – CPU board			
			
CN4	Signal	Color	CN2
5	+ 12 V	Yellow	1
4	GND	Green	6
3	RX	Brown	2
2	TX	White	5

2.8.2. XTPRO LINE (ALL)

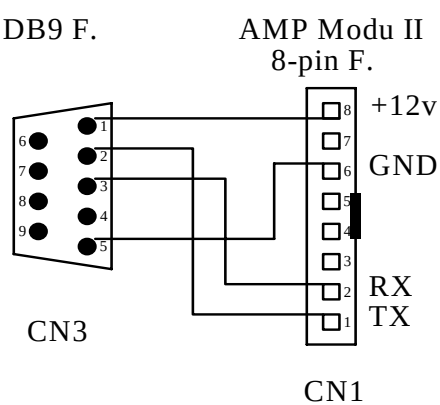


Block diagram 2

Connectors:

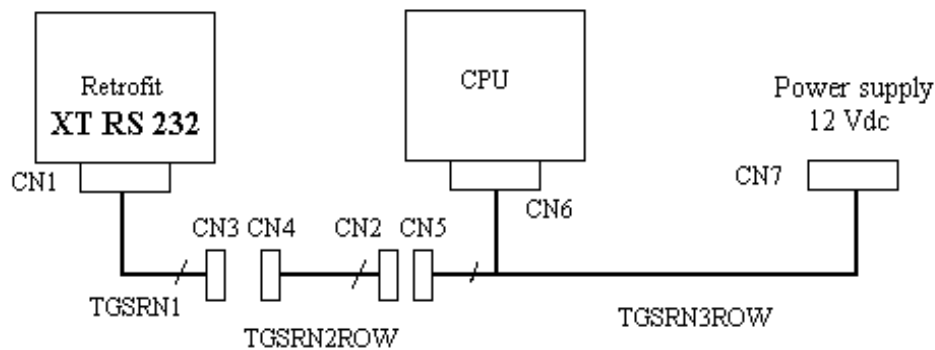
Connector	description
CN1	AMP MODU II 8-pin female connector (connected inside the Retrofit kit)
CN3	Female connector DB9

Cables:

TGSRN1: Connection cable Control panel support plate – Retrofit			
			
CN3	Signal	Color	CN1
1	+12 V	Yellow	8
5	GND	Green	6
3	RX	Brown	2
2	TX	White	1

2.8.3. ROWRACE

In the case of Rowrace there are no adapted/non-adapted machines, they are all identical.

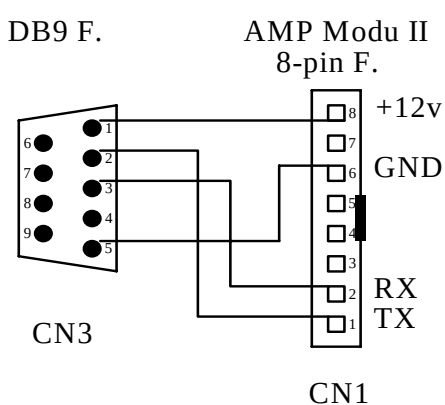


Block diagram 3

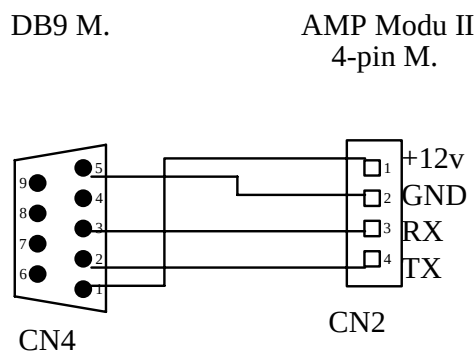
Connectors:

Connector	description
CN1	AMP MODU II 8-pin female connector (connected inside Retrofit)
CN2	AMP MODU II 4-pin male connector
CN3	Female connector DB9
CN4	Male panel connector DB9
CN5	AMP MODU II 4-pin female connector
CN6	Female connector DB9 (is inserted on the connector CN1 in the CPU)
CN7	Monopolar cable with cap for the power supply.

Cables:

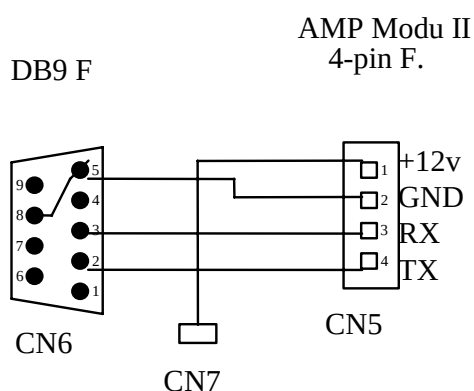
TGSRN1: Connection cable Keyboard support – Retrofit			
 The diagram shows the internal wiring of the TGSRN1 cable. On the left, a DB9 F. connector (CN3) is shown with pins 1 through 5. On the right, an AMP Modu II 8-pin F. connector (CN1) is shown with pins 1 through 8. The wiring is as follows: Pin 1 of CN3 connects to Pin 8 of CN1 (+12v); Pin 5 of CN3 connects to Pin 6 of CN1 (GND); Pin 3 of CN3 connects to Pin 2 of CN1 (RX); Pin 2 of CN3 connects to Pin 1 of CN1 (TX).			
CN3	Signal	Color	CN1
1	+ 12 V	Yellow	8
5	GND	Green	6
3	RX	Brown	2
2	TX	White	1

TGSRN2ROW: Connection cable Keyboard support – cable TGSRN3ROW



CN4	Signal	Color	CN2
1	+ 12 V	Yellow	1
5	GND	Green	2
3	RX	Brown	3
2	TX	White	4

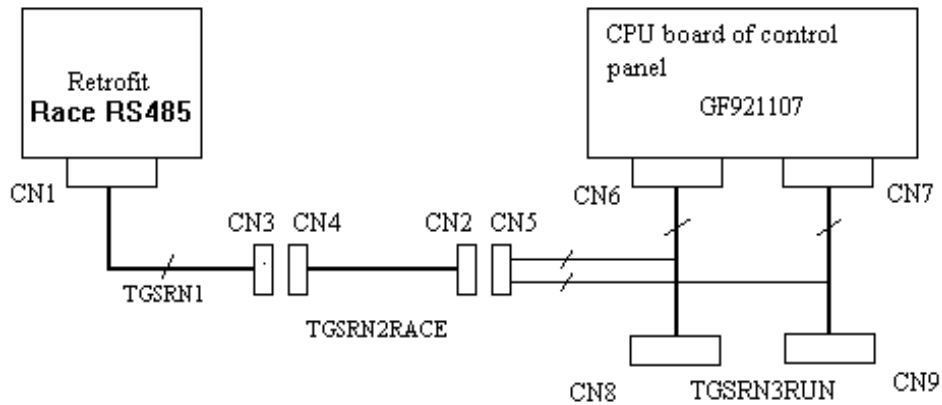
TGSRN3ROW: Connection cable CPU – Power supply – cable TGSRN2ROW



CN6	CN7	Signal	Color	CN5
2	-	TX	White	4
3	-	RX	Brown	3
-	cap	+ 12V	Yellow	1
5-8	-	GND	Green	2

 Connector CN7 must be connected to pin 2 on connector CN2 of the clutch interface board.

2.8.4. RUNRACE, NON-ADAPTED

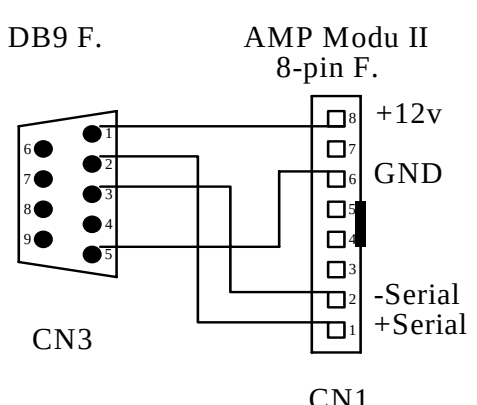


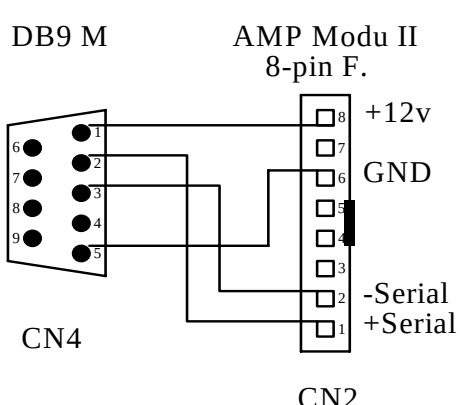
Block diagram 4

Connectors:

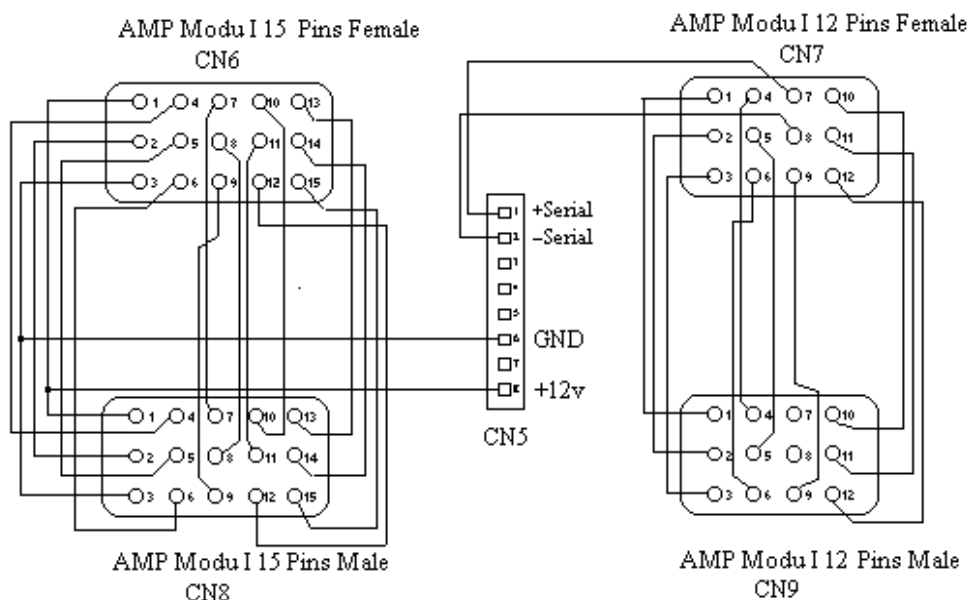
Connector	description
CN1	AMP MODU II 8-pin female connector (connected inside Retrofit)
CN2	AMP MODU II 8-pin female connector
CN3	Female connector DB9
CN4	Male panel connector DB9
CN5	AMP MODU II 8-pin male connector
CN6	AMP MODU I 15-pin female connector. Connected to connector CN1 of the CPU
CN7	AMP MODU I 12-pin female connector. Connected to connector CN2 of the CPU
CN8	AMP MODU I 15-pin male connector
CN9	AMP MODU I 12-pin male connector

Cables:

TGSRN1: Connection cable Retrofit support flange – Retrofit			
 DB9 F. AMP Modu II 8-pin F. CN3 CN1 +12v GND -Serial +Serial			
CN3	Signal	Color	CN1
1	+ 12 V	Yellow	8
5	GND	Green	6
3	-Serial	Brown	2
2	+Serial	White	1

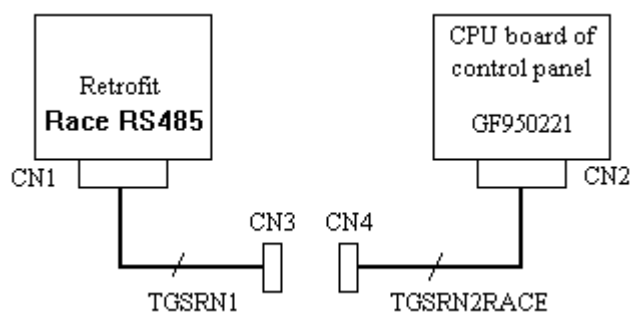
TGSRN2RACE: Connection cable Retrofit support flange – Cable TGSRN3RUN			
 DB9 M AMP Modu II 8-pin F. CN4 CN2 +12v GND -Serial +Serial			
CN4	Signal	Color	CN2
1	+ 12 V	Yellow	8
5	GND	Green	6
3	-Serial	Brown	2
2	+Serial	White	1

TGSRN3RUN: Connection cable
CPU board – Electronic lower kit Cable – TGSRN2RUN



CN6	CN7	CN8	CN9	Signal	Color	CN5
1	-	1	-	+12 V	Yellow	8
3	-	3	-	GND	Green	6
-	1	-	1	-	-	-
-	2	-	2	-	-	-
-	3	-	3	-	-	-
-	4	-	4	-	-	-
-	5	-	5	-	-	-
-	6	-	6	-	-	-
-	7	-	-	+Serial	Brown	1
-	8	-	-	-Serial	White	2
-	9	-	9	-	-	-
-	10	-	10	-	-	-
-	11	-	11	-	-	-
-	12	-	12	-	-	-

2.8.5. RUNRACE, ADAPTED

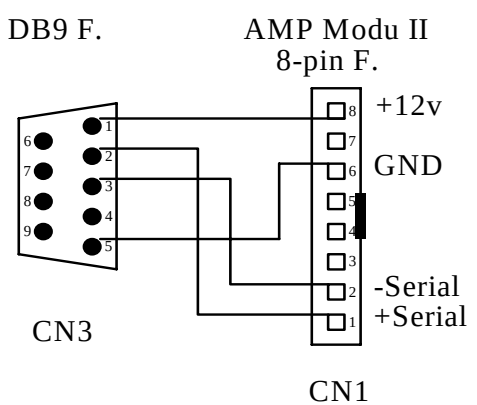


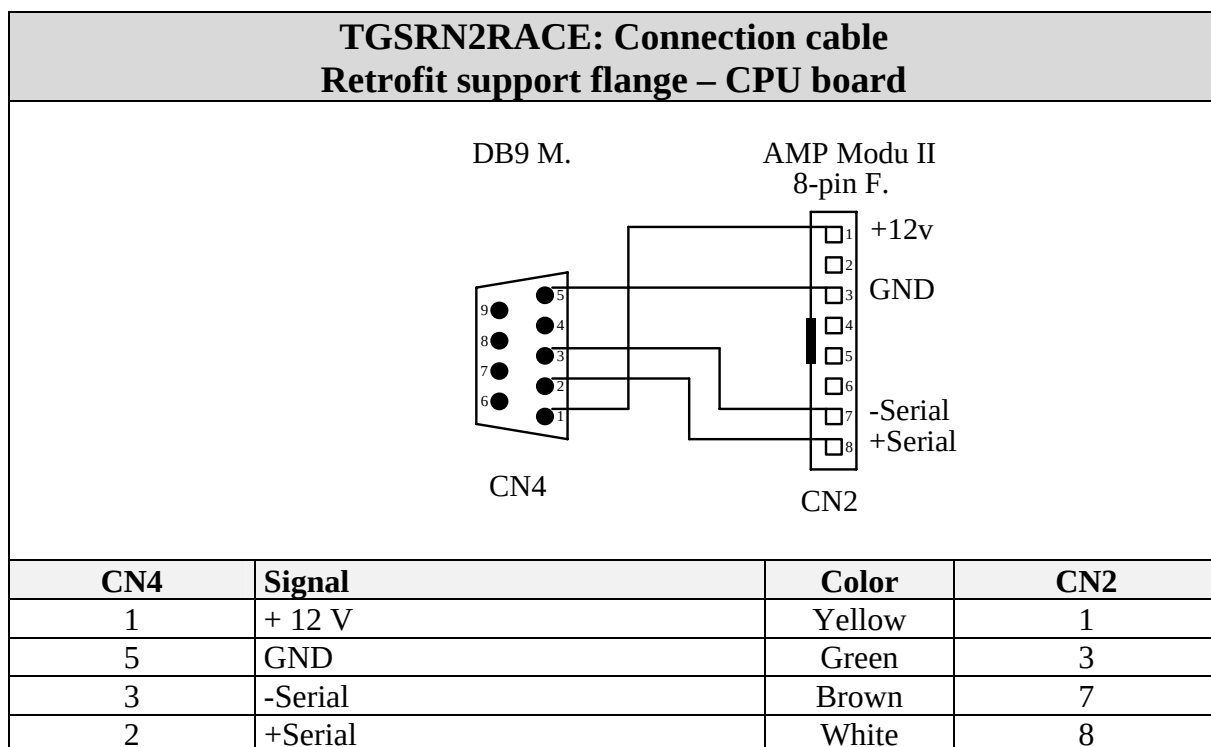
Block diagram 5

Connectors:

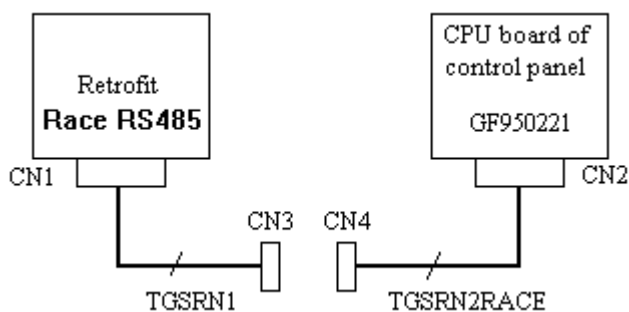
Connector	description
CN1	AMP MODU II 8-pin female connector (connected inside Retrofit)
CN2	AMP MODU II 8-pin female connector
CN3	Female connector DB9
CN4	Male panel connector DB9

Cables:

TGSRN1: Connection cable Retrofit support flange – Retrofit			
			
CN3	Signal	Color	CN1
1	+ 12 V	Yellow	8
5	GND	Green	6
3	-Serial	Brown	2
2	+Serial	White	1



2.8.6. BIKERACE/STEP RACE ADAPTED

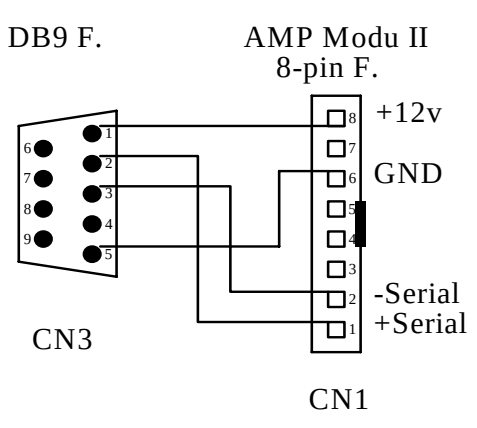


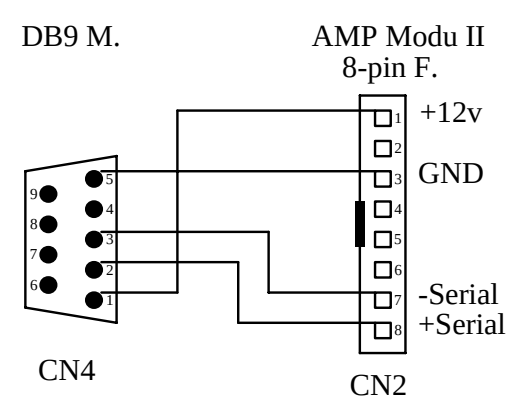
Block diagram 6

Connectors:

Connector	description
CN1	AMP MODU II 8-pin female connector (connected inside Retrofit)
CN2	AMP MODU II 8-pin female connector
CN3	Female connector DB9
CN4	Male panel connector DB9

Cables:

TGSRN1: Connection cable Retrofit support flange – Retrofit			
			
CN3	Signal	Color	CN1
1	+ 12 V	Yellow	8
5	GND	Green	6
3	-Serial	Brown	2
2	+Serial	White	1

TGSRN2RACE: Connection cable Retrofit support flange – CPU board			
			
CN4	Signal	Color	CN2
1	+ 12 V	Yellow	1
5	GND	Green	3
3	-Serial	Brown	7
2	+Serial	White	8

2.8.7. BIKERACE/STEPTRACE, NON-ADAPTED

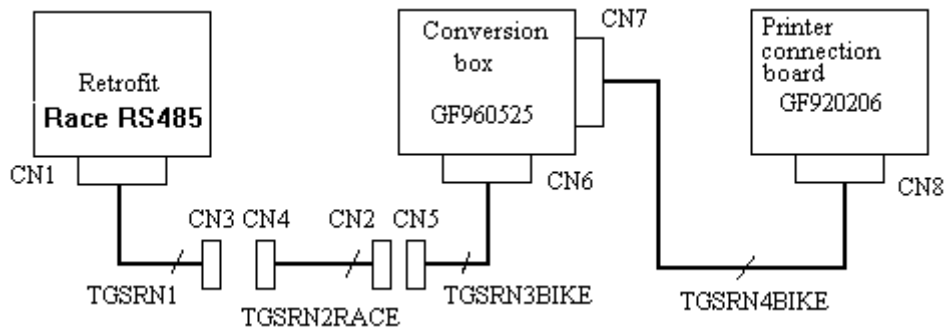
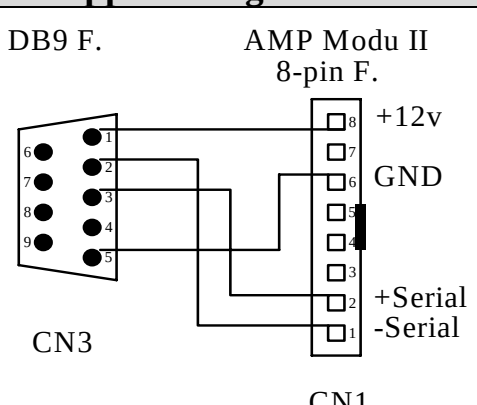


Diagram 7

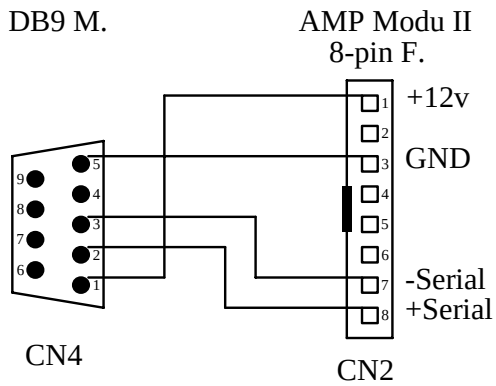
Connectors:

Connector	description
CN1	AMP MODU II 8-pin female connector (connected inside Retrofit)
CN2	AMP MODU II 8-pin female connector
CN3	Female connector DB9
CN4	Male panel connector DB9
CN5	AMP MODU II 8-pin male connector
CN6	9-pin female circular connector
CN7	PANDUIT 8-pin female connector, connected directly to CN1 of the board GF 960525 inside the converter
CN8	8-pin female circular connector to be connected indifferently to either of the two 8-pin male circular connectors on the connector board GF920206

Cables:

TGSRN1: Connection cable Retrofit support flange – Retrofit			
			
CN3	Signal	Color	CN1
1	+ 12 V	Yellow	8
5	GND	Green	6
3	-Serial	Brown	2
2	+Serial	White	1

TGSRN2RACE: Connection cable
Retrofit support flange – Cable TGSRN3BIKE



CN4	Signal	Color	CN2
1	+ 12 V	Yellow	1
5	GND	Green	3
3	-Serial	Brown	7
2	+Serial	White	8

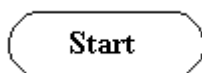
2.9. TOOLS REQUIRED

Apart from the normal tools supplied for the maintenance/repair of Technogym equipment, the following tools are required in order to upgrade the cardiovascular machines as quickly and efficiently as possible, and also to deal with any unforeseen circumstances:

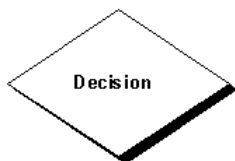
1. Drilling template for XT line control panel support plate
2. Cable stripper
3. Portable tin-plater
4. Tin
5. Tin suction pump
6. Glue gun
7. Glue sticks for glue gun
8. 5 mm wrench
9. 5 mm screwdriver wrench
10. Battery-operated drill/screwdriver
11. Spare battery for drill/screwdriver
12. Insert for cross screws to mount on drill/screwdriver
13. 4 mm hexagonal insert to mount on drill/screwdriver
14. Gun for silicone cartridges
15. Cartridge of transparent silicone
16. 5.5 mm Ø drill bits (3 pieces)
17. 2.5 mm Ø drill bits (3 pieces)
18. M3 screw tap for threading (2 pieces)
19. Tap wrench for M3 screw tap

2.10. TROUBLESHOOTING

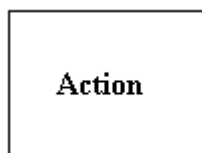
Troubleshooting procedures are guided by flow charts. For easier consultation, the following standard box shapes are used.



This type of box is the START point of the troubleshooting procedure. It typically contains a description of the problem or malfunction.



This type of box represents a decision point in the troubleshooting procedure. It typically contains a description of the CHECK to be made, with an outcome that can be either a positive (YES) or negative (NO) response.



This type of box is a step in the troubleshooting procedure where an ACTION must be carried out. It typically contains a description of the ACTION necessary to resolve the problem. Therefore, after executing the specified ACTION:

1. Check whether the problem has been resolved;
2. If the problem persists, it is recommended to resume the troubleshooting procedure from the point before the action was carried out.

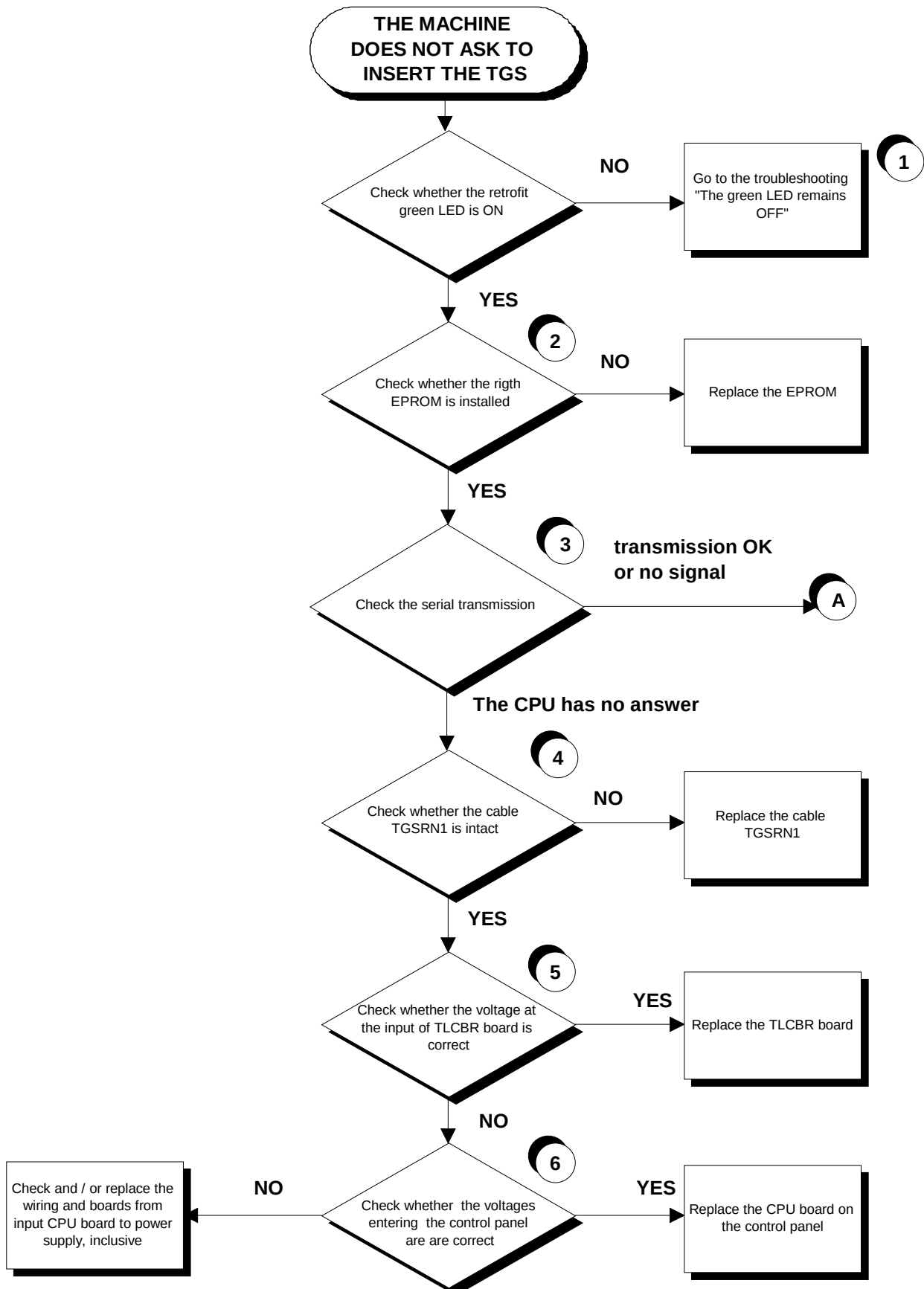


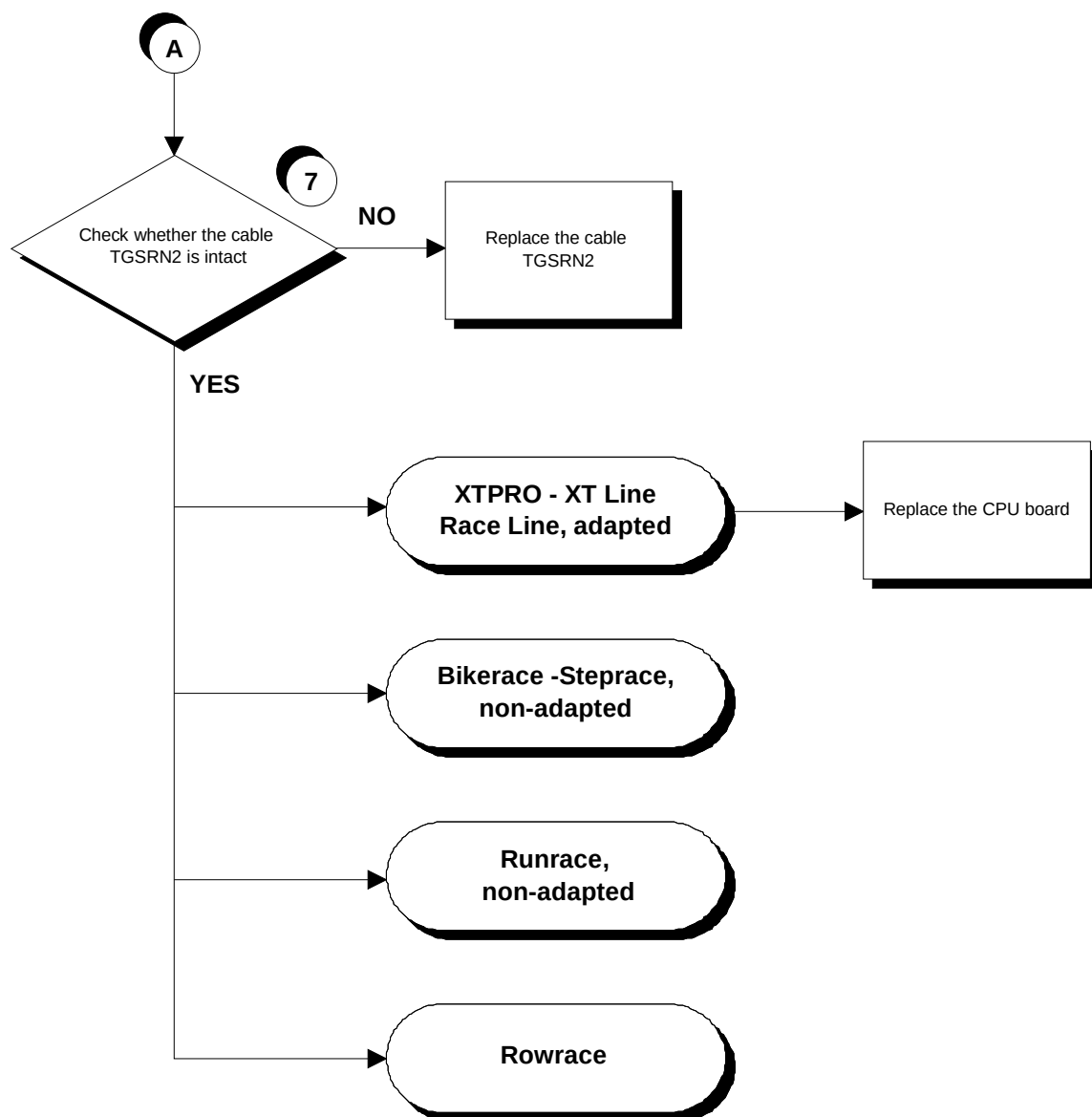
A circled number (such as that shown at left) next to a box of the troubleshooting procedure indicates that detailed instructions for performing that particular check or action are provided at the end of the flowchart.



A circled letter such as that shown at left is used to highlight a point in the procedure. Typically, this indicator is used in page changes.

2.10.1. THE MACHINE DOES NOT ASK TO INSERT THE TGS





Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

- (1) Follow the troubleshooting procedure described in paragraph 2.10.2. “The green LED remains OFF”.
- (2) Switch off the machine, switch it on again and read on the display the EPROM version installed: if it is TGS, this will be listed after the version.
- (3) It is a complicated process to check a serial line: some machines use RS 232 (XT-XTPRO line and Rowrace), others use RS 485 (other Race line machines).

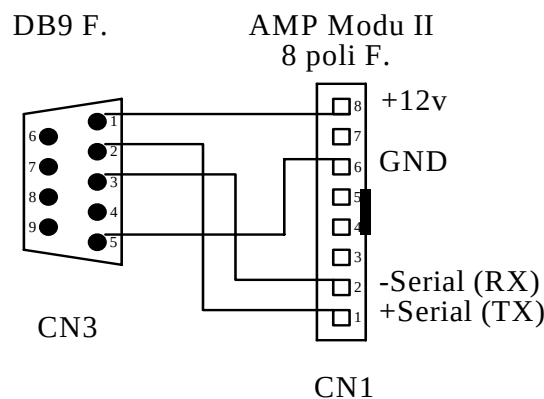
Communication via RS 232 can be checked using the normal RS232 tester with two 9-25 adapters: disconnect the Retrofit cable from the connector DB9 on the back of the control panel and insert the RS232 tester between them using the two adapters. Switch on the machine; the CPU and Retrofit will begin to dialogue after about 6 sec. In normal conditions

TD and RD will flash alternately, meaning that the CPU is sending a signal through TD to check for the presence of Retrofit. Consequently, Retrofit responds with a signal through the RD.

If for any reason Retrofit does not respond to the request sent by the CPU, the latter does not make any further attempts. In this case, the TD LED will flash only once, about 6 seconds after it is switched on.

Communication via RS 485 is more difficult to analyze. One may use a T to pick up the signal between the control panel and Retrofit, which converts the half-duplex signal from RS 485 to 232, and then use the RS 232 tester as described above. Or you may use an oscilloscope on the transmission channel (“+” and “-” serial) and analyze the communication. If everything is working properly you will find a continuous flow of data; otherwise, the first time the CPU request goes unanswered by the Retrofit, there will be no more communication and you will detect no signal.

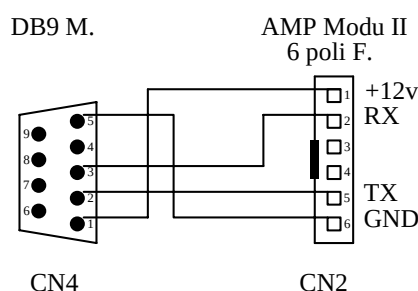
- (4) The TGSRN1 cable runs from the TLCBR board inside Retrofit to the DB9 connector on the back of the control panel, and is the same for all machines. Use the diagram below to check for continuity:



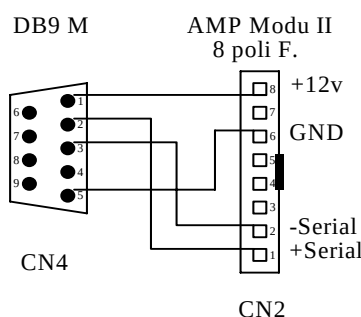
- (5) Open the back cover of Retrofit and use a tester to measure between the pins 8 and 6 (ground) of the 8-pin connector on the TLCBR board; it should give a voltage reading of approximately 10-12 Vdc. If the voltage measured is less than 9.2 Vdc, it is to be considered incorrect, as it is insufficient to operate of the TLCBR board.
- (6) Depending on the machine:
- **XT-XTPRO line:** Insert the tester probes between pins 1 (signal) and 3 (ground) of the 12-pin connector on the control panel. It should read +12 Vdc.
 - **Bikerace/Steprace adapted:** Insert the tester probes between pins 1 (signal) and 3 (ground) of the 15-pin connector on the control panel. It should read +12 Vdc.
 - **Bikerace/Steprace non-adapted:** Insert the tester probes between pins 2 (signal) and 3 (ground) of the 15-pin connector on the control panel. It should read +5 Vdc.
 - **Runrace:** Insert the tester probes between pins 1 (signal) and 3 (ground) of the 15-pin connector on the control panel. It should read +12 Vdc.

- **Rowrace:** Insert the tester probes between pins “+12” and “ground” of the 12-pin connector on the power supply. It should read +12 Vdc.
- (7) The cable TGSRN2 runs from the back of the control panel to the CPU board, or to the converter cable for non-adapted machines. Depending on the machine, check for continuity based on the diagrams below:

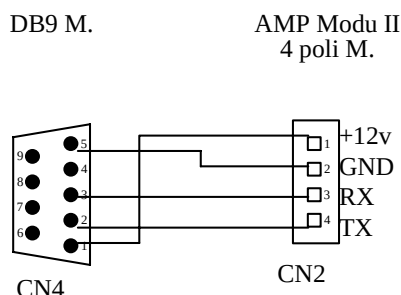
- **XT line:** cable TGSRN2XT:



- **Bikerace - Steprace - Runrace:** cable TGSRN2RACE:

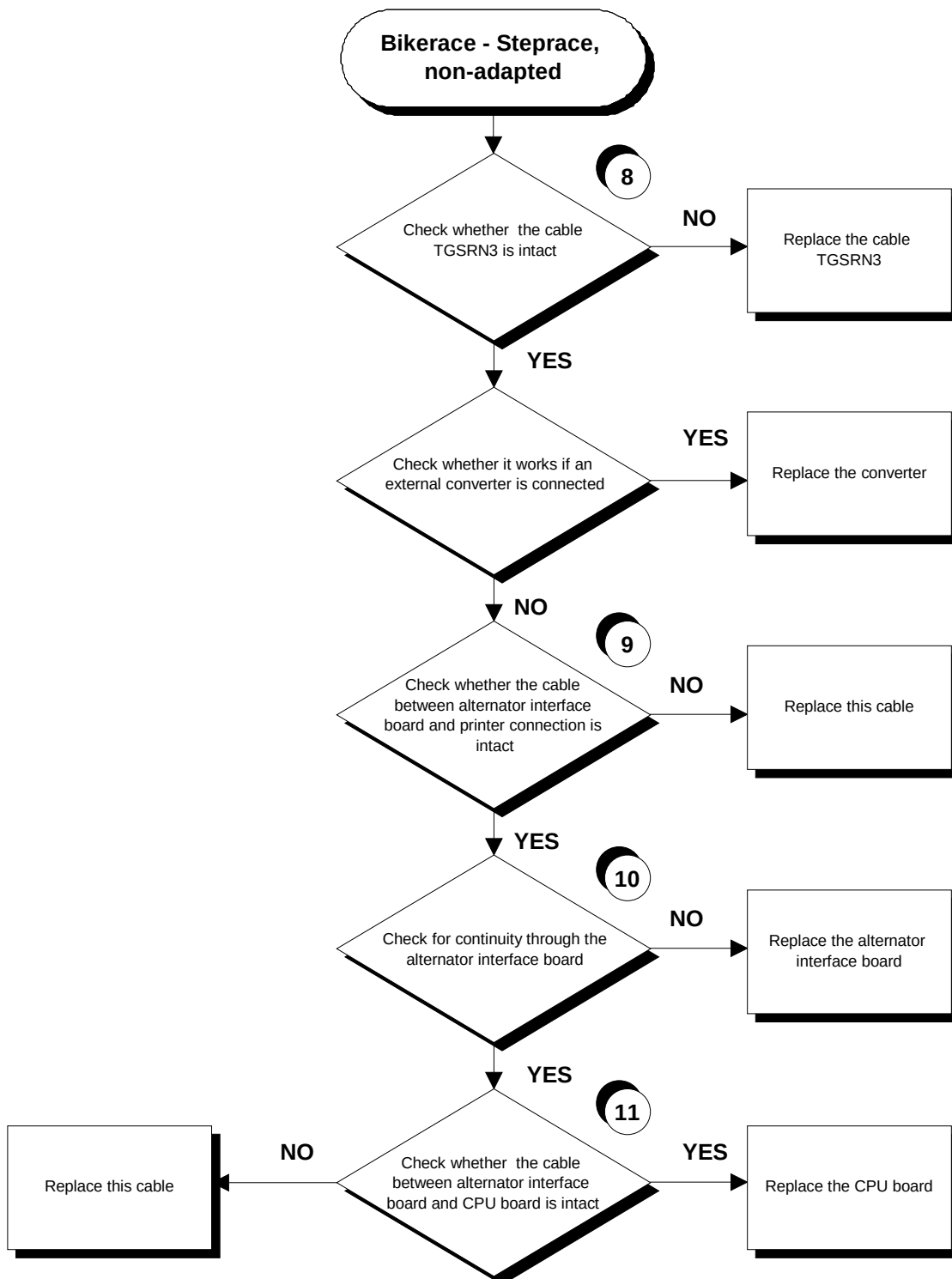


- **Rowrace:** cable TGSRN2ROW:



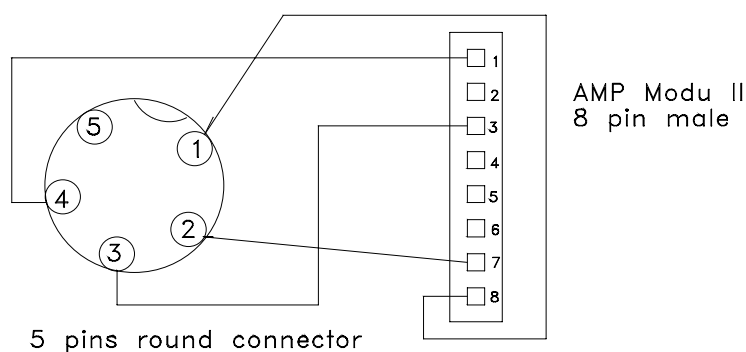
The following pages describe the specific checks for each type of machine.

Bikerace/Steprace, non-adapted

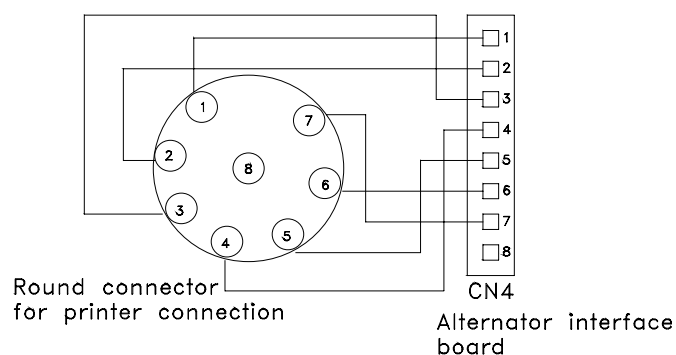


Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

- (8) The TGSRN3 cable runs from the converter to the TGSRN2RACE cable. Check for continuity using the diagrams following:



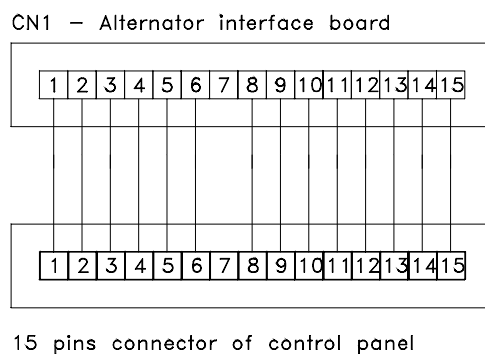
- (9) Disconnect the converter from the circular connector of the machine and use a tester to measure for continuity between the circular connector and the 8-pin AMP MOD II connector on the alternator interface board, according to the diagram below:



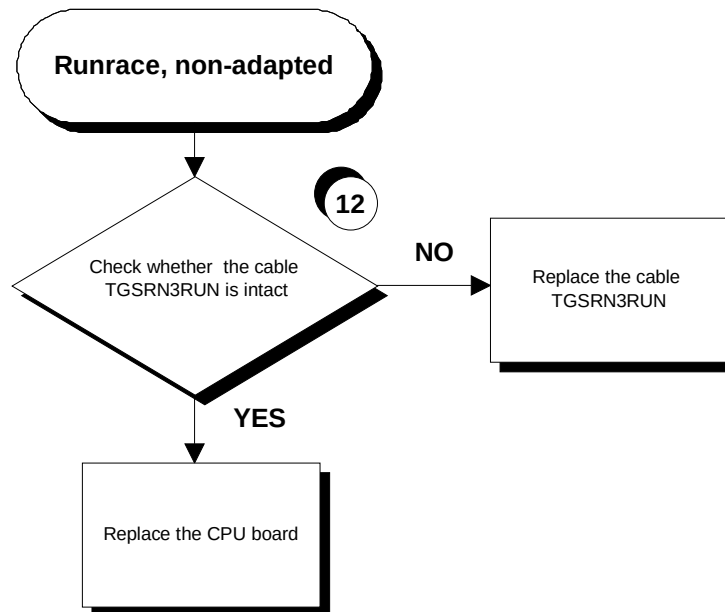
- (10) Check for continuity between the pins listed below of the connectors CN4 and CN1 on the alternator interface board:

Alternator interface board	
CN4	CN1
1	11
2	12
3	14
4	15
5	9 (100 Ω)

- (11) Check for continuity between the connectors CN1 on the alternator interface board and the 15-pin connector on the control panel, according to the diagram below:

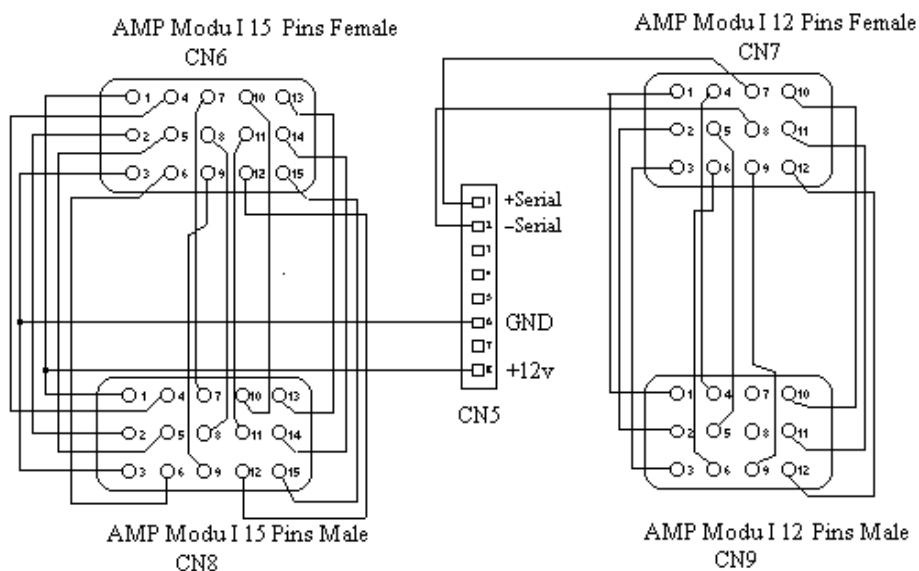


Runrace, non-adapted

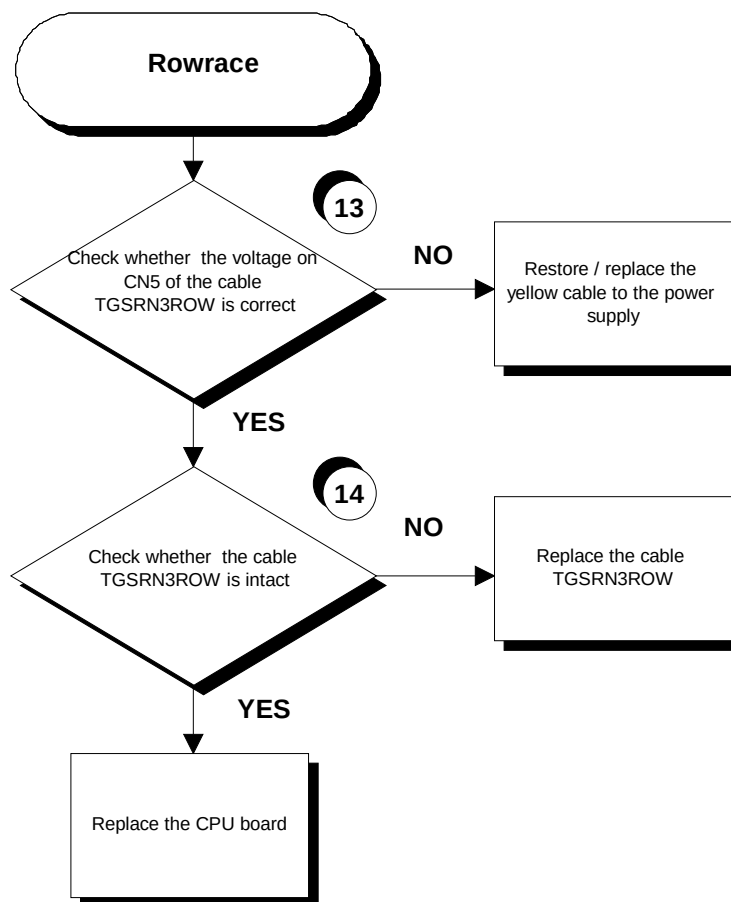


Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

- (12) The cable TGSRN3RUN leads from the CPU board to the lower kit wiring. Check for continuity based on the diagrams below:

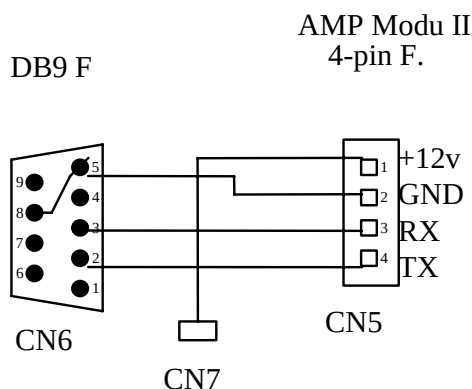


Rowrace

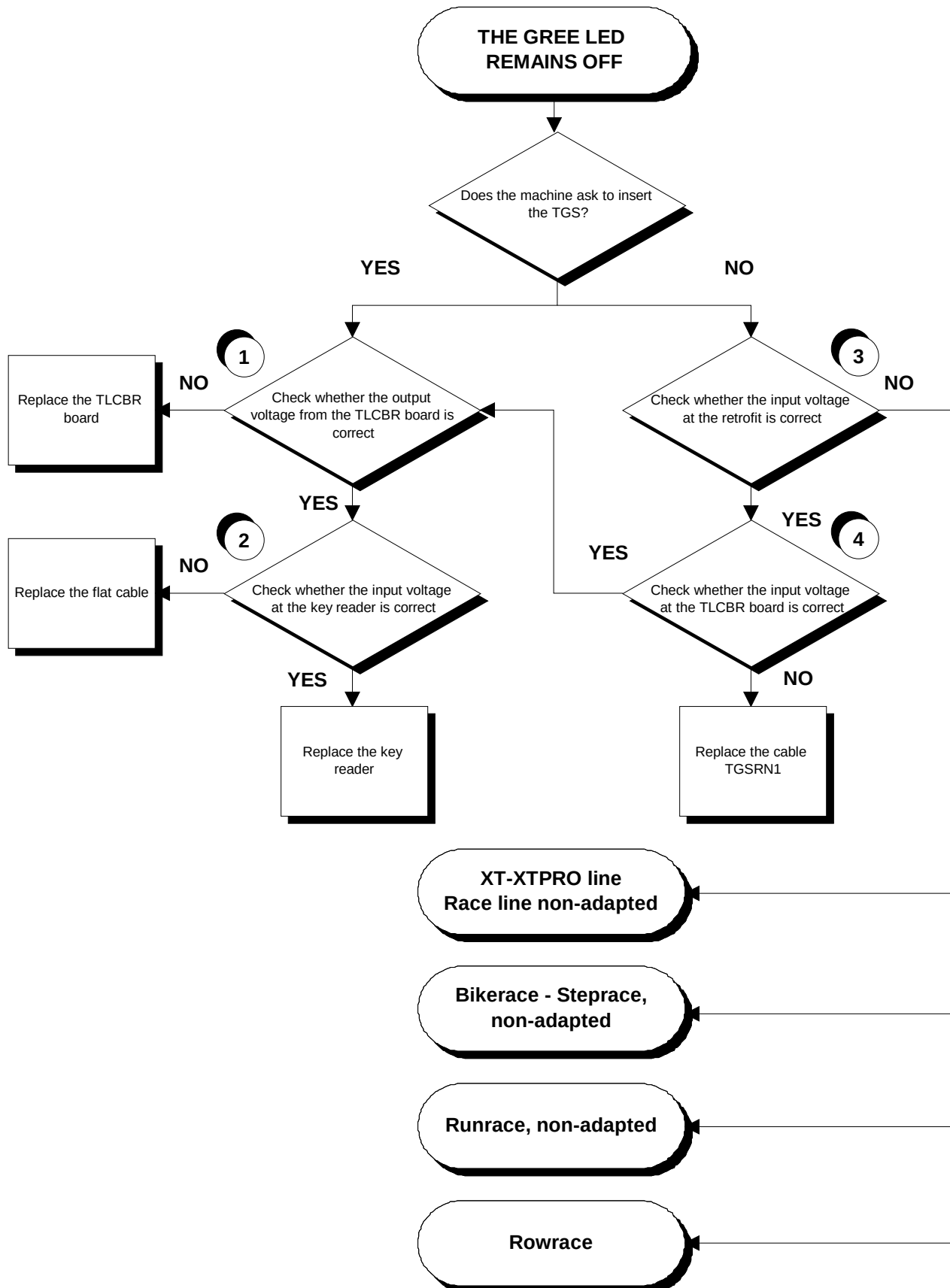


Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

- (13)** Insert the tester probes between pins 1 (signal) and 2 (ground) of CN5 on the cable TGSRN3ROW. It should read approximately +12 Vdc.
- (14)** The cable TGSRN3ROW runs from the CPU board and the power supply to the back of the keyboard. Check for continuity based on the diagram below:



2.10.2. THE GREEN LED REMAINS OFF



Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

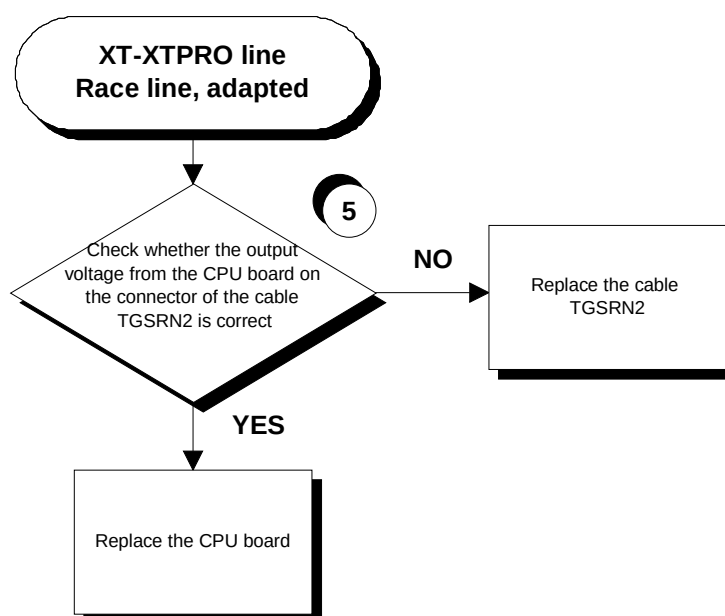
- (1) Disconnect the flat cable connector on the TLCBR board. Insert the tester probes between pins 4 and 7 (ground) of the connector. The table below shows the numbering of the pins on the flat cable connector:

1	3	5	7	9
2	4	6	8	10

The voltage reading should be approximately 12 Vdc.

- (2) Disconnect the flat cable connector on the key reader. Insert the tester probes between pins 4 and 7 (ground) of the connector. The voltage reading should be approximately 10 - 12 Vdc.
- (3) Insert the tester probes between pins 1 (signal) and 5 (ground) of the connector DB9 where Retrofit is connected. The voltage reading should be approximately 10 - 12 Vdc.
- (4) Insert the tester probes between pins 8 and 6 (ground) of the 8-pin connector AMP MOD II on the TLCBR board. The voltage reading should be approximately 10 - 12 Vdc.

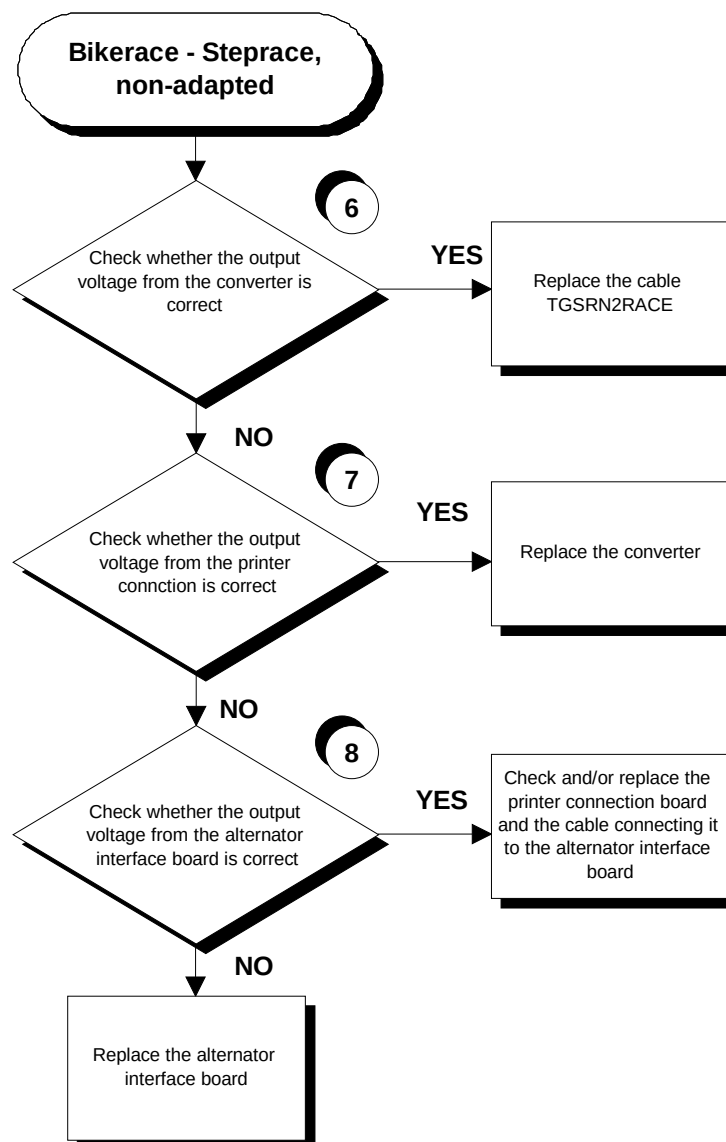
XT-XTPRO line e Race line adapted



Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

- (1) On the Race line CPU board, insert the tester probes between pins 1 (signal) e 3 (ground) of the 8-pin connector AMP MOD II at the cable TGSRN2RACE connection point. On the XT line CPU board, insert the tester probes between pins 1 (signal) e 6 (ground) of the 6-pin connector AMP MOD II at the cable TGSRN2XT connection point.
The voltage reading should be approximately 10 - 12 Vdc.

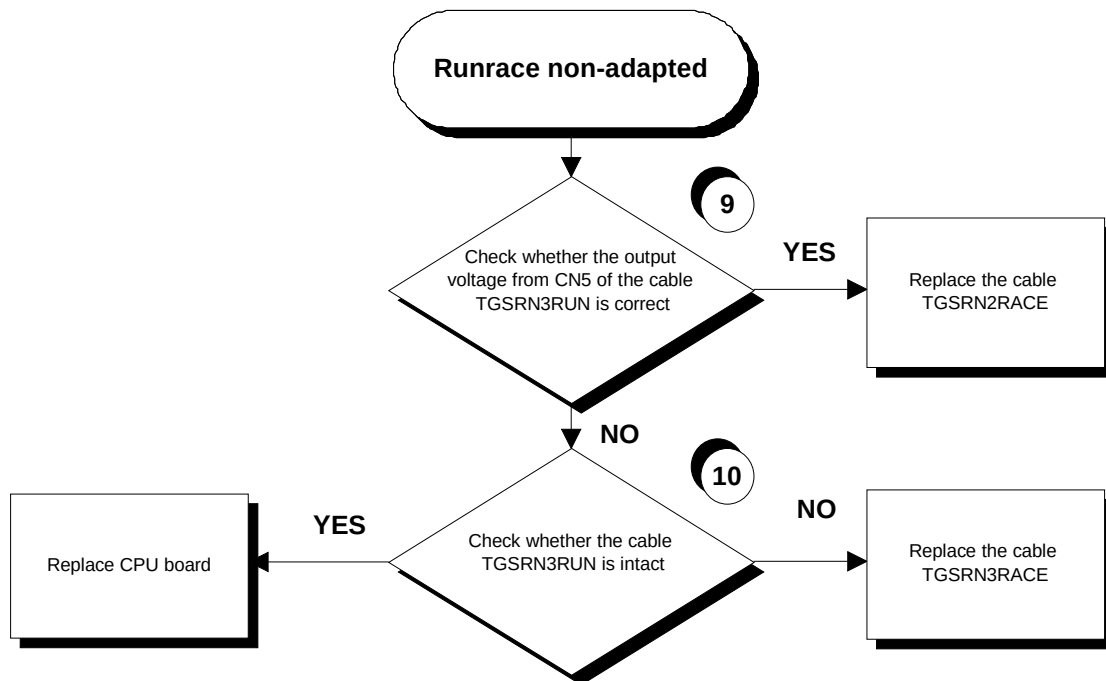
Bikerace – Steprace, non-adapted



Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

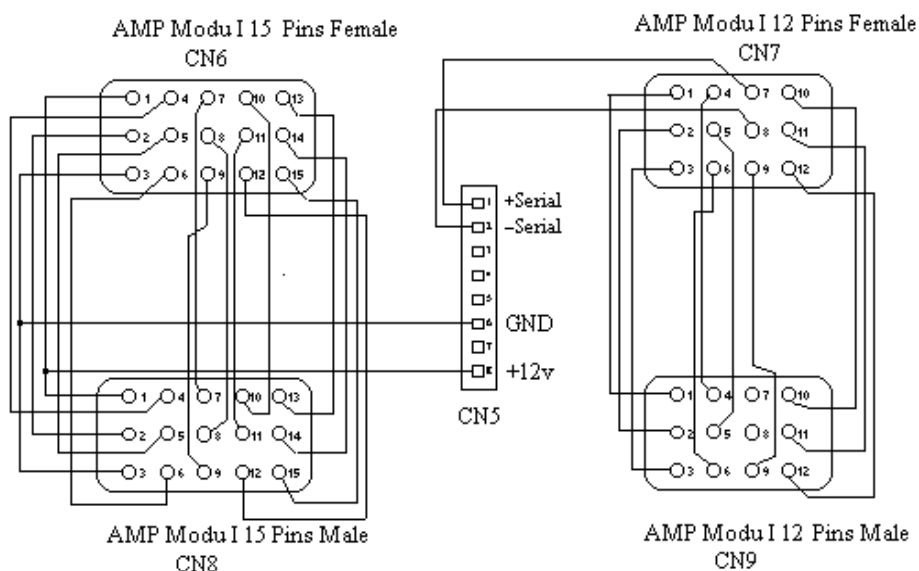
- (1) Insert the tester probes between pins 1 (signal) and 3 (ground) of the connector CN5 on the cable TGSRN3BIKE. The voltage reading should be approximately 10 - 12 Vdc.
- (2) Insert the tester probes between pins 6 (signal) and 7 (ground) of the 8-pin circular connector where the cable TGSRN4BIKE is to be connected. The voltage reading should be approximately 5 Vdc.
- (3) Insert the tester probes between pins 6 (signal) and 7 (ground) of the connector CN4 on the alternator interface board. The voltage reading should be approximately 5 Vdc.

Runrace, non-adapted

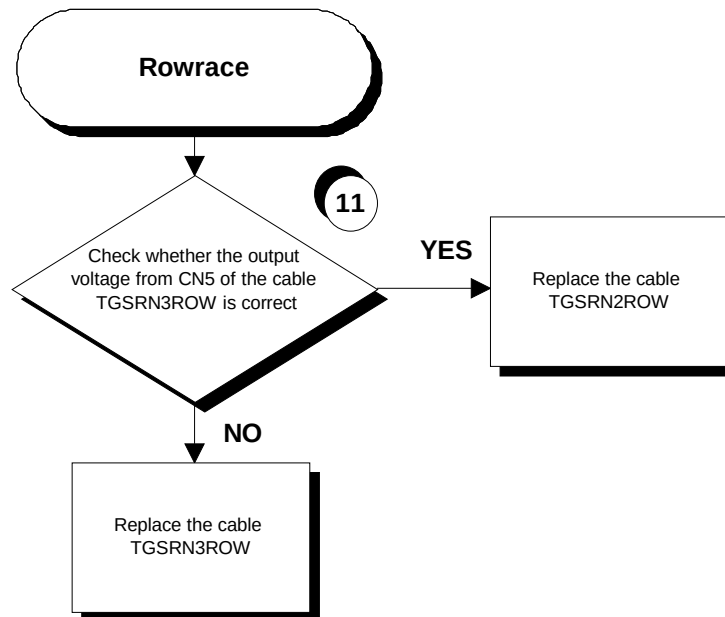


Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

- (1) Insert the tester probes between pins 8 (signal) and 6 (ground) of connector CN5 on the cable TGSRN3RUN. The voltage reading should be approximately 10 - 12 Vdc.
- (2) Make sure the cable TGSRN3RUN is intact, following the diagram below:



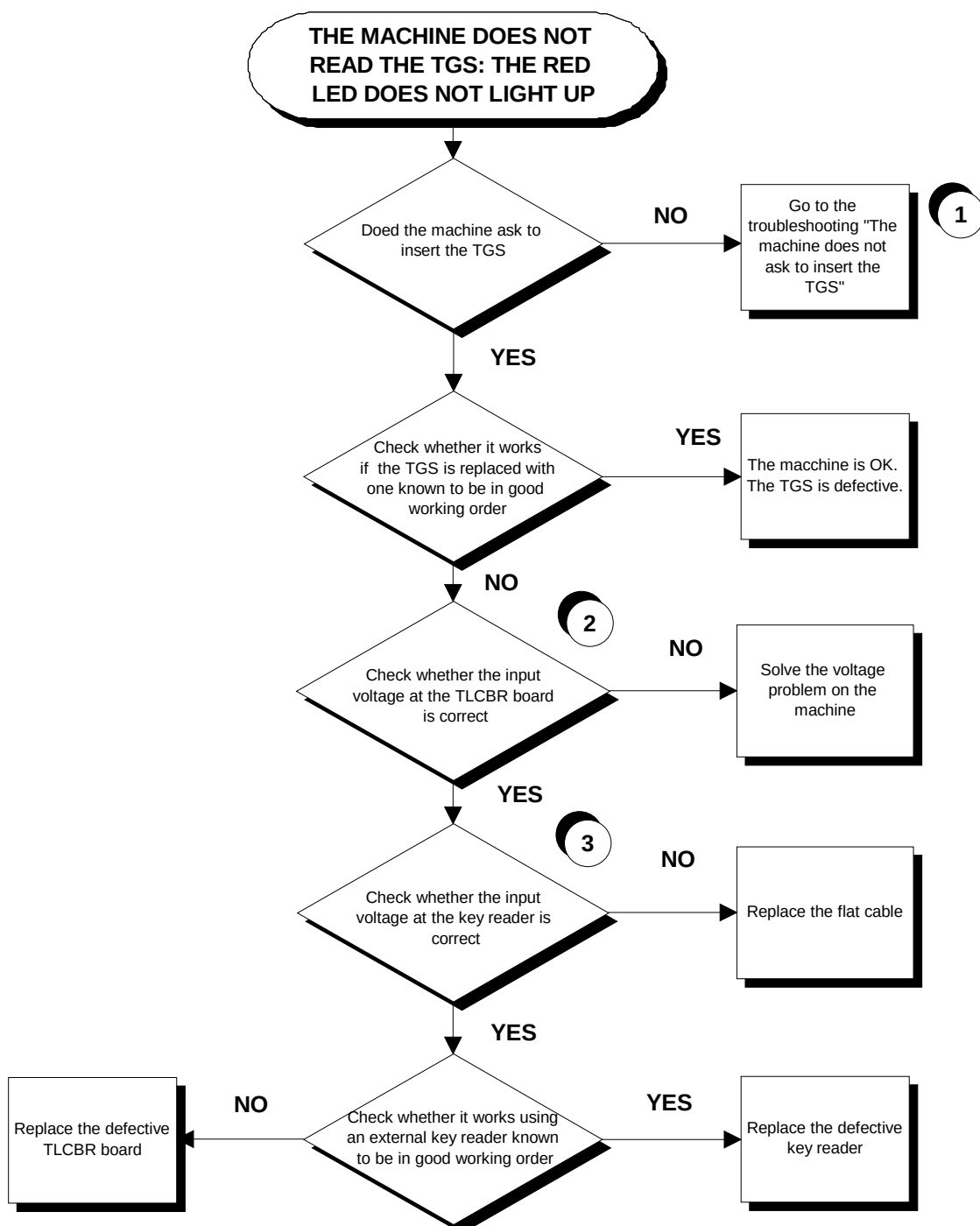
Rowrace



Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

- (1) Insert the tester probes between pins 1 (signal) and 2 (ground) of the connector CN5 of the cable TGSRN3ROW. The voltage reading should be approximately 10 - 12 Vdc.

2.10.3. THE MACHINE DOES NOT READ THE TGS: THE RED LED DOES NOT LIGHT UP



Follow the procedure step by step to correctly diagnose the problem. Pay special attention to the steps indicated by circled numbers, described in detail below:

- (1) Follow the troubleshooting procedure described in paragraph 2.10.1. “The machine does not ask to insert the TGS”.
- (2) Insert the tester probes between pins 8 and 6 (ground) of the 8-pin connector AMP MOD II on the TLCBR board. The voltage reading should be approximately 10 - 12 Vdc.

- (3) Disconnect the flat cable connector on the key reader. Insert the tester probes between pins 4 and 7 (ground) of the connector. The table below shows the numbering of the pins on the flat cable connector:

1	3	5	7	9
2	4	6	8	10

The voltage reading should be approximately 12 Vdc.

3. SYSTEM ARCHITECTURE

Depending on the number of PCs which the Club requires, and more generally on the complexity of the system as a whole, the recommended architecture will vary, in order to ensure adequate functionality and speed performance.

The most updated technical specifications can be downloaded from:

[ftp.technogym.com/SW Download/How To Manage Installation and Service/](ftp.technogym.com/SW%20Download/How%20To%20Manage%20Installation%20and%20Service/)

user name: tgservice

password: 650666

3.1. MINIMUM CONFIGURATION (NOT RECOMMENDED)

When **upgrading** a system 3.0 consisting of a Wellness Trainer PC and a Wellness Expert, the minimum configuration is as follows:



This configuration is accepted only because it is an evolution of the previous one, which consisted of a single Trainer and a single Expert. Its use in case of upgrades is accepted but not recommended because:

- **It does not assure perfect functioning of the system, because it is susceptible to data base corruption problems;**
- **It does not ensure good performance in terms of data access speed.**

As can be seen:

- The Wellness Trainer PC manages both the Wellness Trainer SW and the database.
- The Wellness Trainer PC is connected to the modem for the teleservice function.
- Communication between the PCs is provided by a network which can be implemented using a coaxial cable and BNC connectors, or preferably directly, without using a hub, through a CAT5 cable and inverted RJ45 connectors, as illustrated below:

Side A RJ45	Side B RJ45
1	3
2	6
3	1
4	7
5	8
6	2
7	4
8	5

3.1.1. PC CONFIGURATION

WELLNESS TRAINER PC

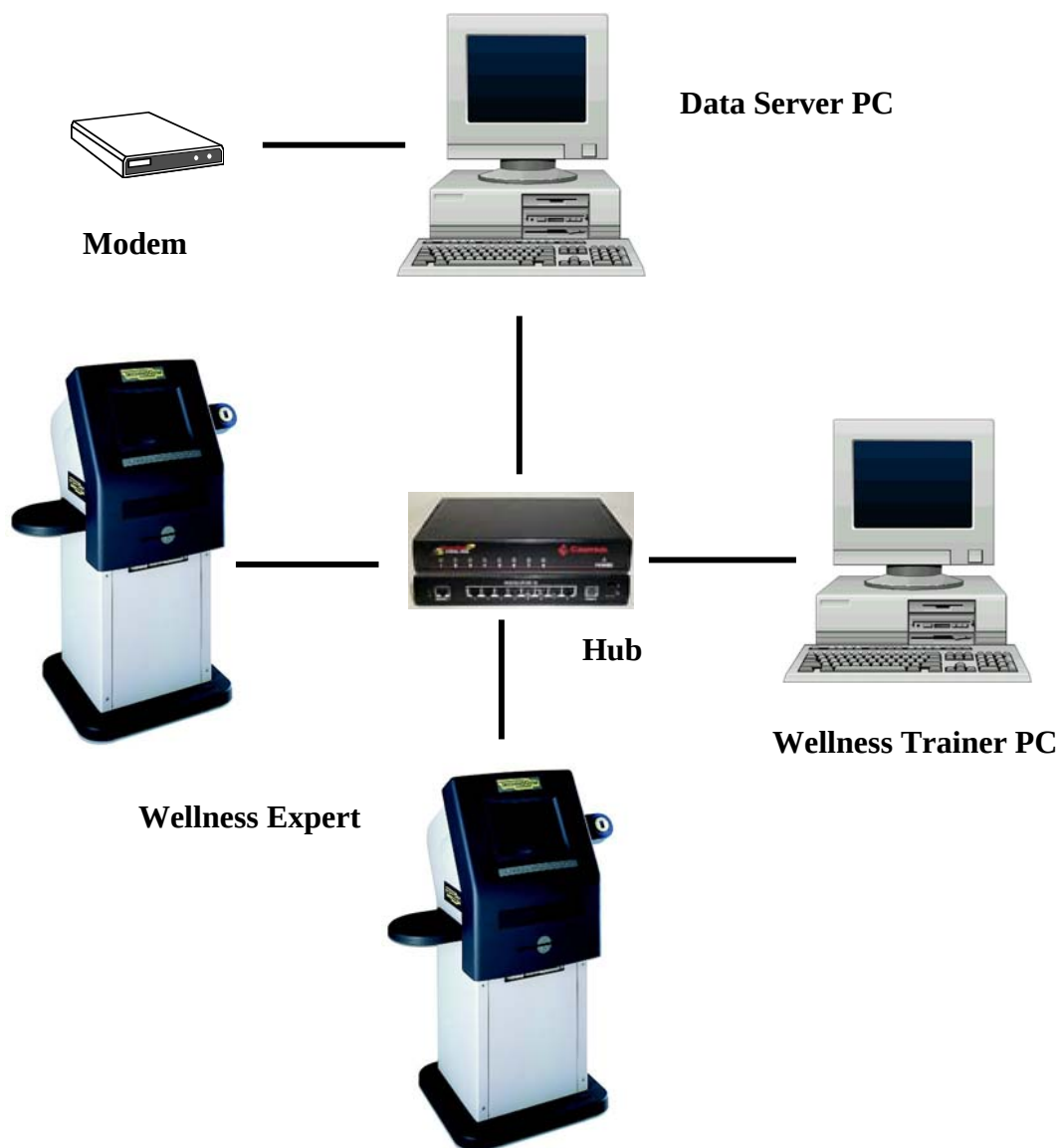
- P III;
- 128 MB RAM;
- Windows 95, Windows 98, NT workstation or 2000 professional;
- IE 5.0;
- UPS (recommended);
- 1 GByte free on HD;
- 2 serial ports available (1 for the modem and 1 for the Trainer Point);
- 10/100 Mb network card.

WELLNESS EXPERT PC

- P 166 (P II 400 is recommended if upgrading to Wellness System Excite or higher);
- 64 MB RAM (128 is recommended if upgrading to Wellness System Excite or higher);
- Windows 95, Windows 98;
- IE 5.0;
- 1 GByte free on HD;
- 2 serial ports available (1 for the touch screen and 1 for the Trainer Point);
- 10/100 Mb network card.

3.2. RECOMMENDED CONFIGURATION

If the total number of Wellness Trainer PCs and Wellness Experts installed is **less than or equal to 4**, the recommended configuration is as follows:



This is also the recommended configuration for a new installation of a system consisting of one Wellness Expert and one Wellness Trainer PC.



It is best to NEVER use the configuration with a direct connection between the Wellness Trainer and the Wellness Expert, in the interests of assuring perfect functioning of the system and data integrity.

As can be seen:

- The database is managed by a dedicated PC which is designated the **DATA SERVER PC**. The database Server SW is installed on this PC. The use of this additional PC guarantees improved performance in terms data access speed and integrity.
- The Data Server PC is connected to a modem for the teleservice function.
- Communication between the PCs takes place over a network managed by a HUB.

3.2.1. PC CONFIGURATION

DATA SERVER PC

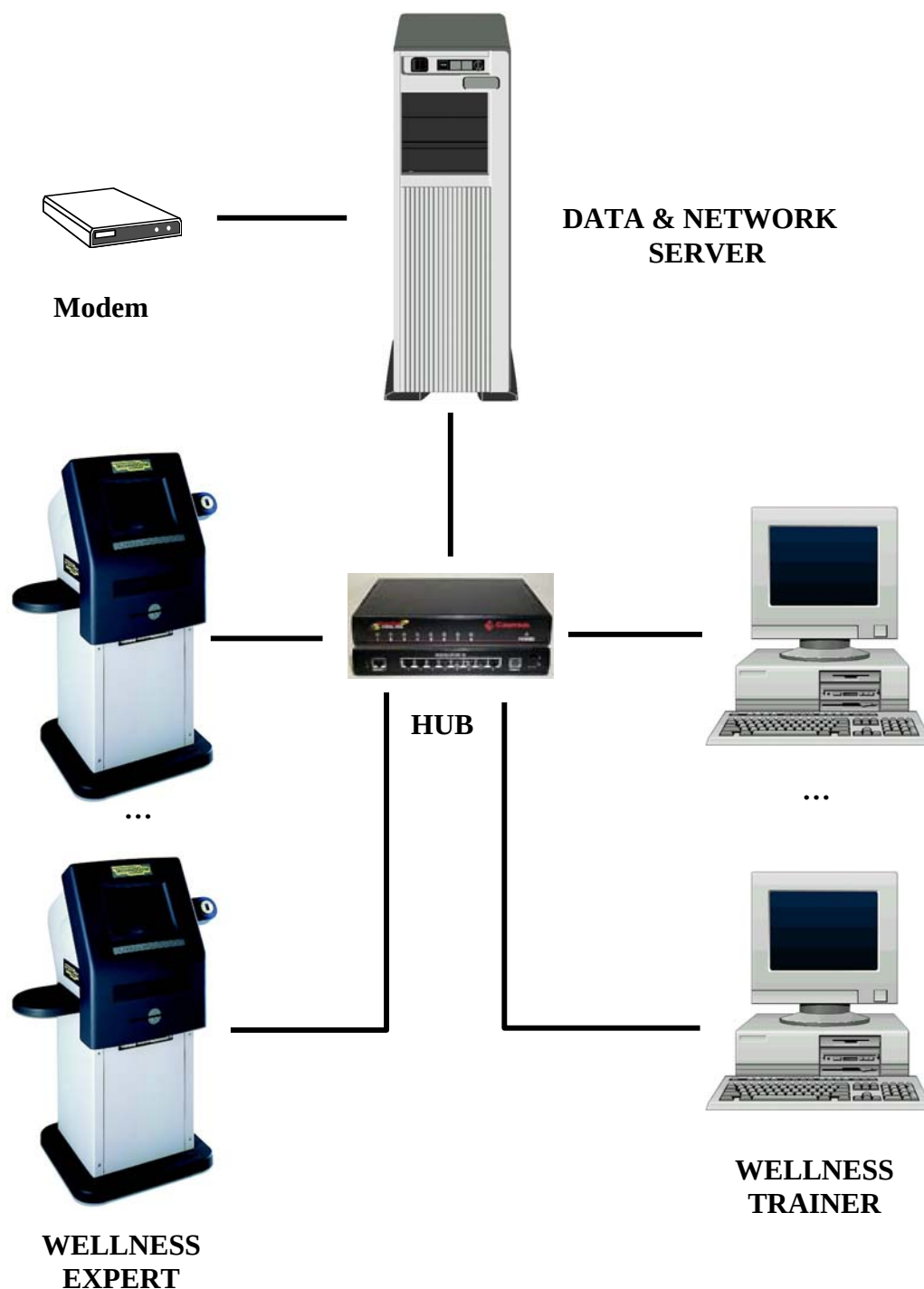
- P IV/1.8 GHz;
- 512 MB RAM;
- Windows 2000 professional Service Pack 4 operating system or Microsoft XP Professional Service Pack 1
- modem 56.6K baud;
- 1 free serial port (for the modem);
- UPS (recommended);
- network card 100 Mb;
- backup unit (recommended: tape unit such as Travant or Dat).

WELLNESS TRAINER PC

- P IV/1.4 GHz;
- 512 MB RAM;
- Windows 2000 professional Service Pack 4 operating system or Microsoft XP Professional Service Pack 1;
- IE 5.0;
- 1 GByte free on HD;
- 1 free serial port (for the trainer Point);
- 100 Mb network card.

3.3. ADVANCED CONFIGURATION

If the total number of Wellness Trainer PCs and Wellness Experts installed is **greater than 4**, the recommended configuration is the following:



As can be seen:

- The database and network are managed by a dedicated PC which is designated the **DATA & NETWORK SERVER**, or more simply the **SERVER**. The database Server SW is installed on

this PC. The use of this additional PC ensures improved performance in terms of data access speed and data integrity.

- The Data & Network Server is connected to the modem used by the teleservice function.
- Communication between PCs takes place over a network managed by a HUB.

3.3.1. PC CONFIGURATION

SERVER

- P IV/2.0 GHz;
- 512 MB RAM;
- Windows 2000 professional Service Pack 4 operating system or Windows XP Professional Service Pack 1;
- modem 56.6K baud;
- 1 free serial port (for the modem);
- UPS (recommended);
- 100 Mb network card;
- backup unit (recommended: tape unit such as Travant or Dat).



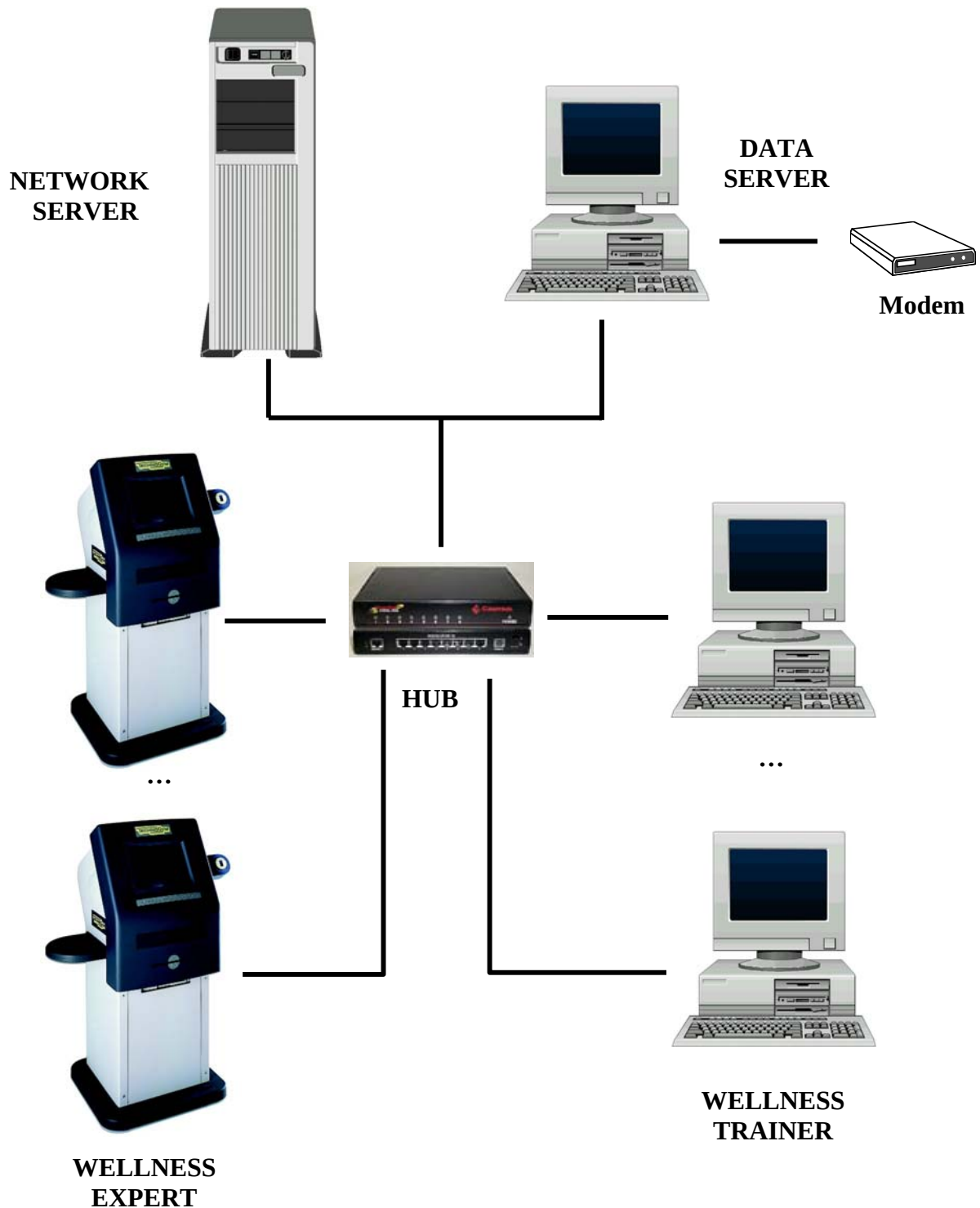
The use of special solutions such as fast access disks and type RAID 1 HW mirroring can improve the speed performance and reliability of the system.

WELLNESS TRAINER PC

- P IV/2.0GHz;
- 512 MB RAM;
- Windows 2000 professional Service Pack 4 operating system or Windows XP Professional Service Pack 1;
- IE 5.0;
- 1 GByte free on HD;
- 1 serial port free;
- 100 Mb network card.

3.4. CONFIGURATION FOR A NETWORK WITH SERVER

If the system is being installed in a complex network which already has a network server, the configuration to be used is as follows:



As can be seen:

- The network is managed by the existing Server.
- The database is managed by a dedicated PC which is designated the **DATA SERVER PC**. The database Server SW is installed on this PC. The use of this additional PC guarantees improved performance in terms of data access speed and integrity.
- The Data Server PC is connected to the modem used by the teleservice function.
- Communication between PCs takes place over a network managed by a HUB.

3.4.1. PC CONFIGURATION

DATA SERVER PC

- P IV/2.0 GHz;
- 512 MB RAM;
- Windows 2000 professional Service Pack 4 operating system or Windows XP Professional Service Pack 1;
- modem 56.6K baud;
- 1 free serial port (for the modem);
- UPS (recommended);
- 100 Mb network card;
- backup unit (recommended : tape unit such as Travant or Dat).

WELLNESS TRAINER PC

- P IV/2.0 GHz;
- 512 MB RAM;
- Windows 2000 professional Service Pack 4 operating system or Windows XP Professional Service Pack 1;
- IE 5.0;
- 1 GByte free on HD;
- 1 free serial port (for the trainer Point);
- 100 Mb network card.

4. STRUCTURE OF THE NETWORK

4.1. CHARACTERISTICS OF THE NETWORK

In order to exchange information, the PCs must be connected together over a network. This requires installation of special HW components, and the configuration of the SW protocol used for communications.

4.1.1. HW COMPONENTS

The recommended network is of type “**100 base T**” which supports speeds of 100 Mbit/sec and uses the following HW components:

- **Ethernet network cards to be installed on the PCs:** the recommended card type is Ethernet Link III manufactured by 3Com. To install the network card, follow the instructions provided together with the card itself, or with the operating system installed on the machine.
- **network cable:** type UTP CAT 5 with RJ45 connectors.
- **HUB:** is a device which acts as the center of the star topology PC network, and handles the communication between the various PCs.

4.1.2. SW PROTOCOL

The recommended communications protocol is TCP/IP. However, it is also recommended to install the Netbeui protocol to facilitate access to the shared network folders.



If both protocols have not been installed after installing the network card, add them manually to the list of available protocols, following the specific procedure for the operating system in use.

4.2. CONFIGURATION

4.2.1. NETWORK CONFIGURATION

The network must be properly configured via software to ensure correct communication among the various components of the system.

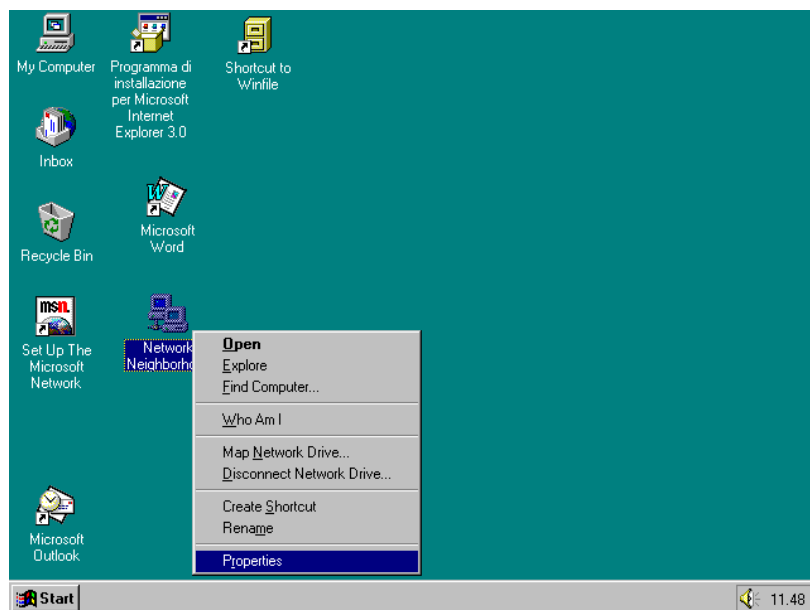


Figure 4.2-1

On the PC desktop, position the mouse over the “**Network Neighborhood**” icon and click the right mouse button. From the various options in the pull-down menu that appears, select “**Properties**”. The following window will then appear:

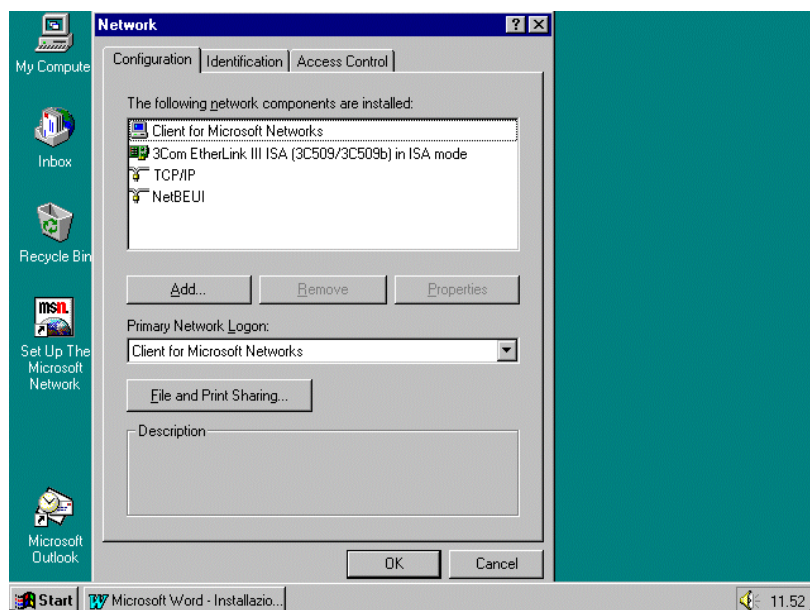


Figure 4.2-2

This window contains three folders:

- “**Configuration**”
- “**Identification**”
- “**Access Control**”

The following network components must be installed in the “**Configuration**” folder:

- Client for Microsoft Networks

- 3Com Etherlink III (3C509b) **that is the board installed in your PC**
- TCP/IP
- NetBEUI
- File and Print Sharing for Microsoft Networks

All of these elements except the last are normally installed automatically during network card installation. Click the button **“File and Print Sharing...”** to add the missing item. The following window will then appear:

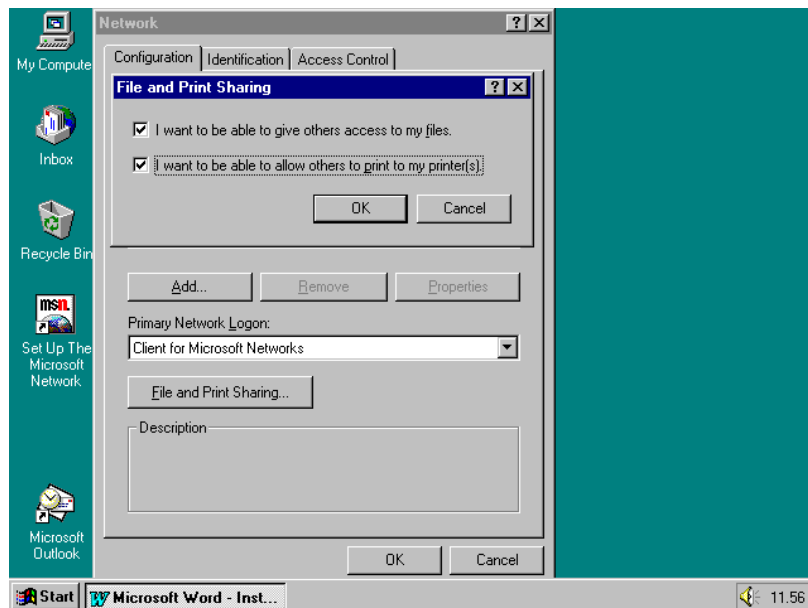


Figure 4.2-3

Select the two items in the dialog window that appears, as shown in Figure 4.2-3. Click **“OK”** to confirm, then select the folder **“Identification”**. The following window will then appear:

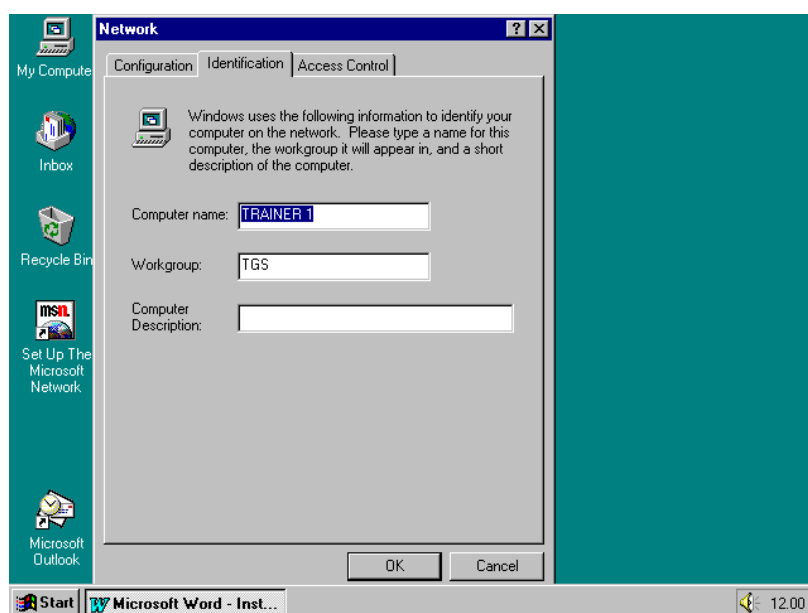


Figure 4.2-4

In this folder, you must make sure that the desired name has been assigned to the computer (e.g. TRAINER1), and that the work group is TGS. If this is not the case, enter the correct data and confirm by clicking **“OK”**.



WARNING: Do not put any space into the PC name, especially on the PC Server.

Proceed by selecting the **“Access Control”** folder. The following window will then appear:

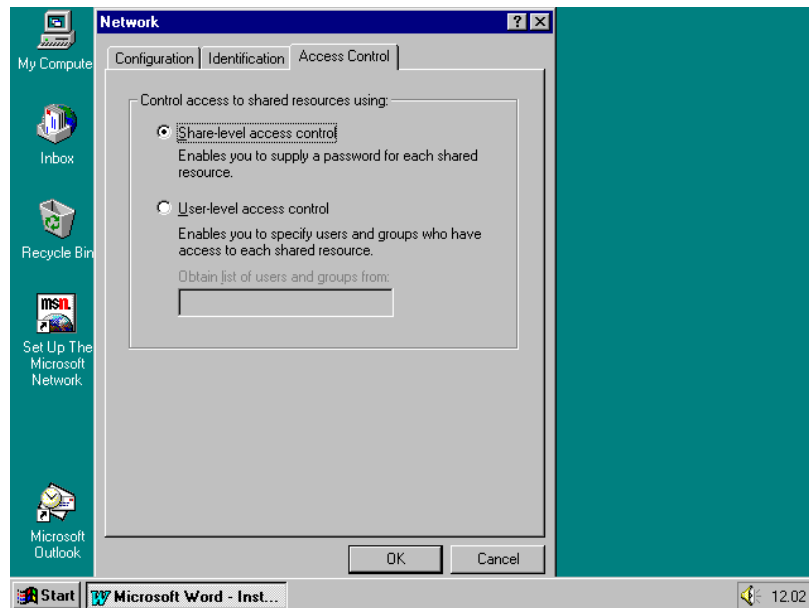


Figure 4.2-5

Select the option **“Share-level access control”** and confirm by clicking **“OK”**. This allows complete sharing of all computer resources, for example, reading from and writing to the drives. The following window will then appear:

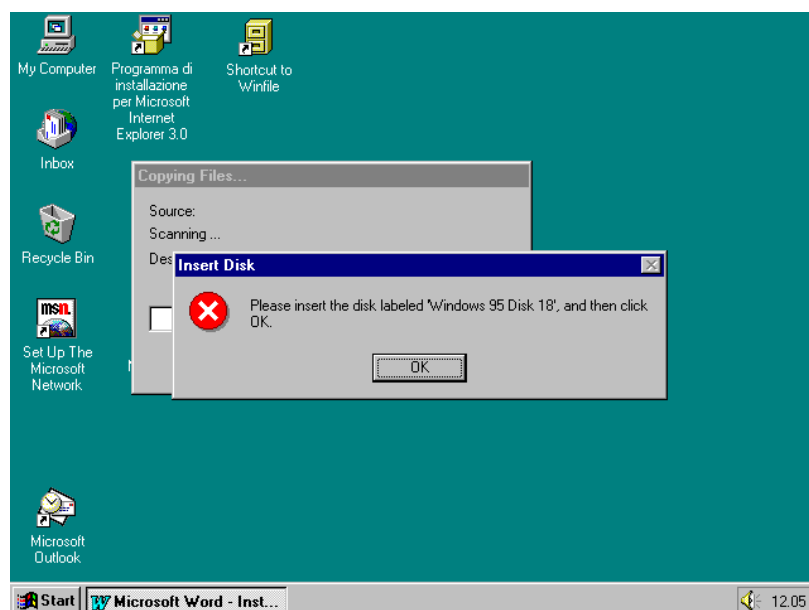


Figure 4.2-6

At this point you may be asked to insert one of the *Windows 95/98* installation disks. Insert the requested disk or the *Windows* CD ROM and click **“OK”**. The following window will then appear:

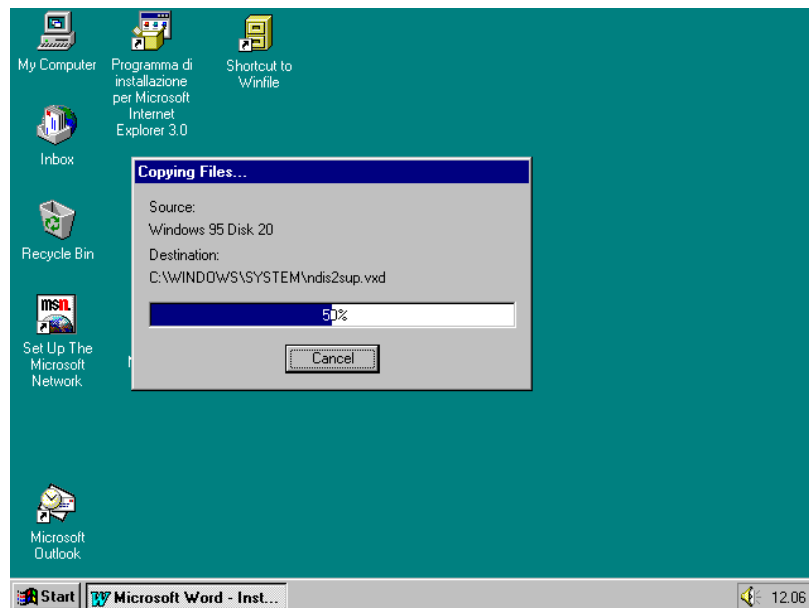


Figure 4.2-7

The necessary files will be copied to the hard disk. Further *Windows* installation disks may be requested. The following window will then appear:

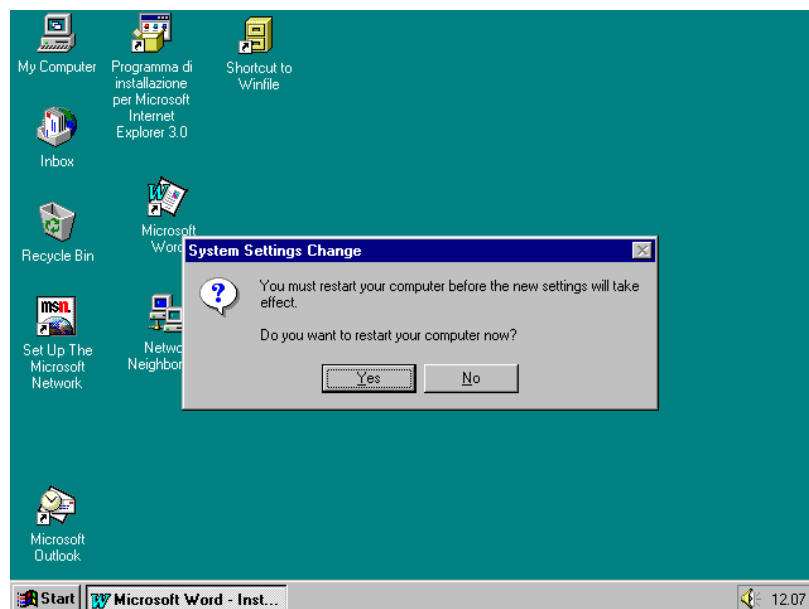


Figure 4.2-8

Once the required software has been installed, you will be asked whether you wish to restart the computer. Restart the computer. Once the PC has been restarted, double-click the “**Network Neighborhood**” icon to open the window shown in the figure below:

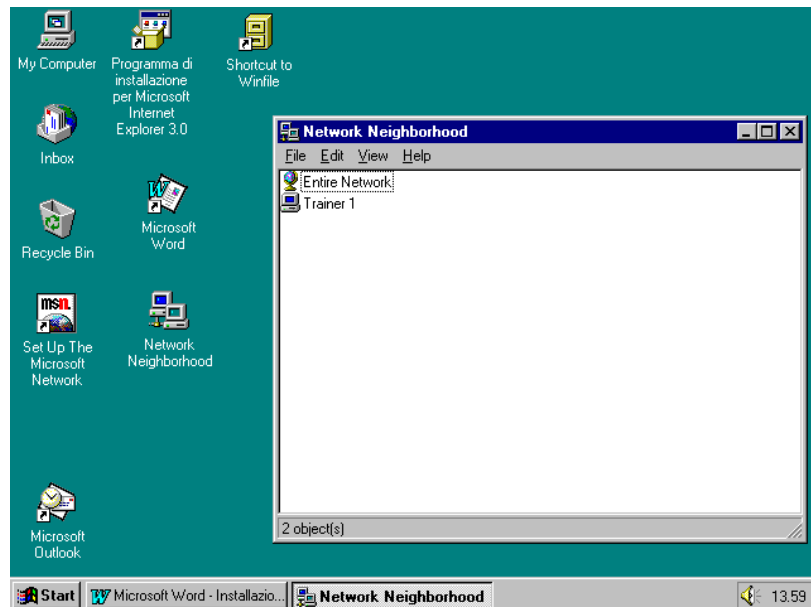


Figure 4.2-9

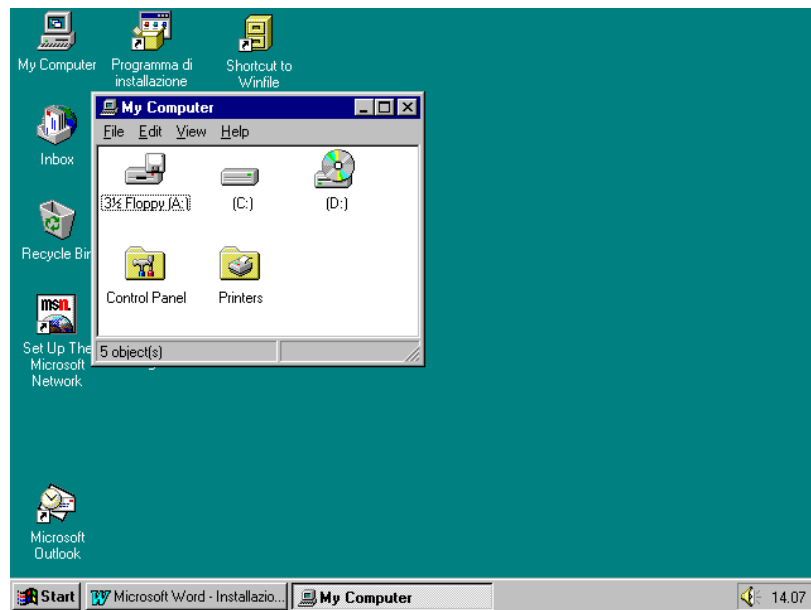
This window contains 2 items:

- “Entire Network”
- “Trainer1”

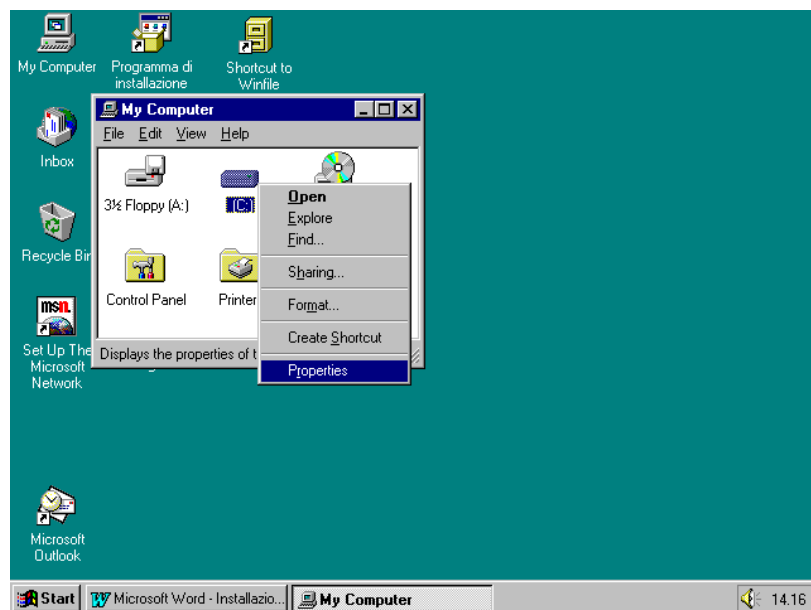
This window shows which network components are currently “seen” by the computer being worked on. In this case the computer, which we previously named TRAINER1, sees only itself because the network has not yet been physically connected.

4.2.2. SHARING THE WORKING DIRECTORIES

The working directories, and thus the disk drives of each computer must be shared, so that each computer connected in the network can read and write from/to the drives of the other computers in the same workgroup. On the PC desktop, double-click the “**My Computer**” icon. The following window will then appear:

**Figure 4.2-10**

Select the icon for drive C: and click once with the right mouse button:

**Figure 4.2-11**

In the pull-down menu that appears, select the option “**Properties**”. The following window will then appear:

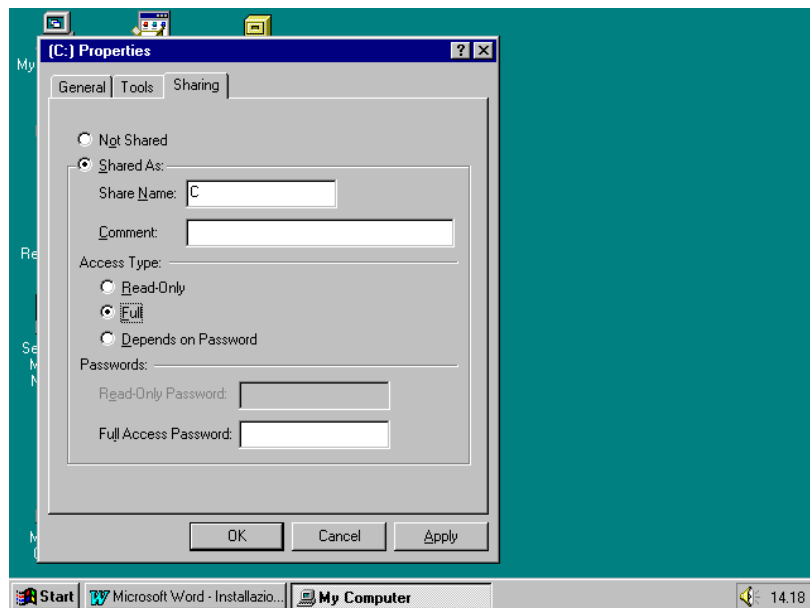


Figure 4.2-12

A window is opened containing three folders. Select the “**Sharing**” folder and select the options “**Shared as**” (leaving the default name “C” in the “**Share Name**” box) and “**Full**”.

Click once on “**Apply**” and then once on “**OK**”. This operation makes the hard disk C: of this computer available to the whole network, for both reading and writing.

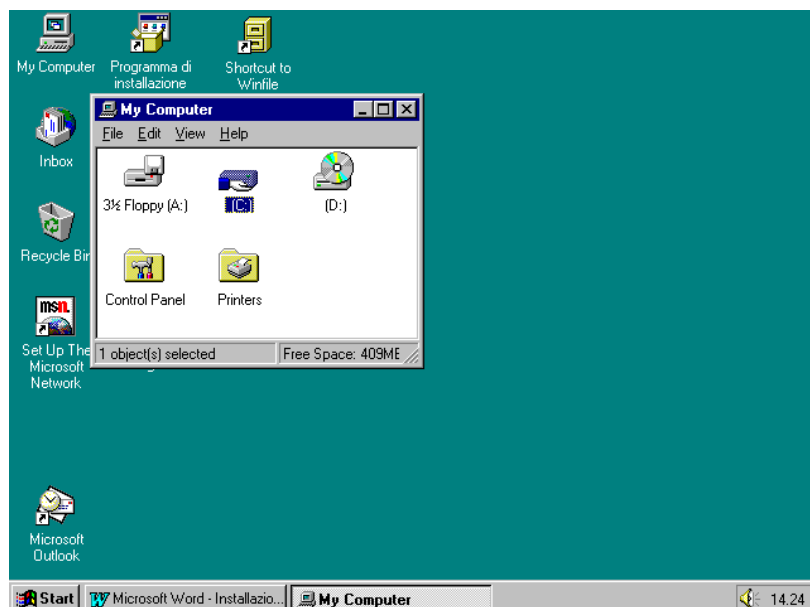


Figure 4.2-13

The disk drive “C” is now shared. The hand under the drive “C” icon indicates that the drive is shared. Repeat the above steps to share the drives “A” and “D” as well.

4.2.3. CONFIGURING THE TCP/IP PROTOCOL

On the PC desktop, position the mouse over the “**Network Neighborhood**” icon and click the right mouse button. From the various options in the pull-down menu that appears, select “**Properties**”. The following window will then appear:

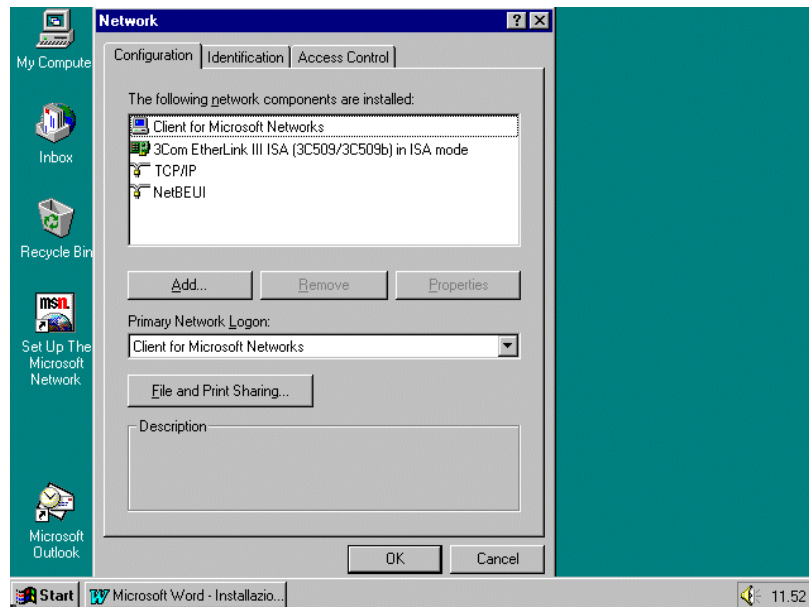


Figure 4.2-14

Select the TCP/IP protocol and click the “**Properties**” button. The dialog box shown in the following figure appears:

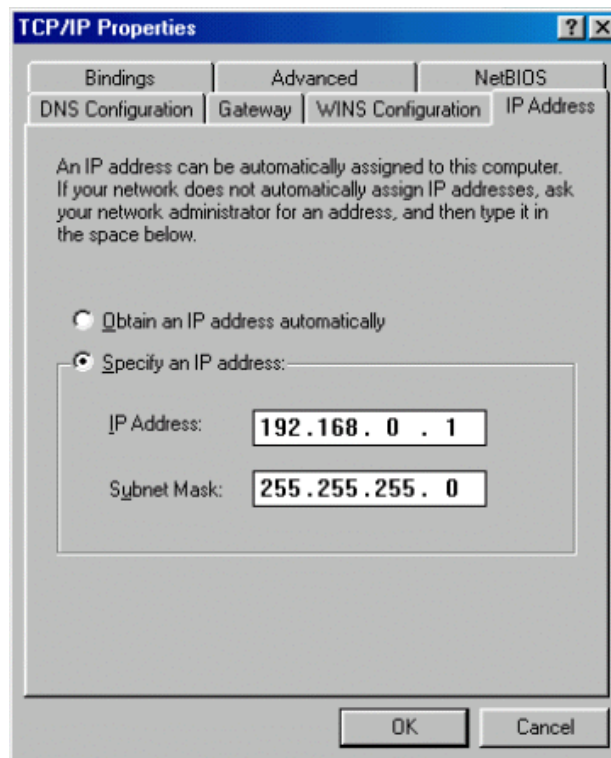


Figure 4.2-15

Select “IP Address” and then specify the addresses of the PCs which make up a network. It is recommended to number the machines according to the following criteria:

1. On all the machines, define “**Subnet Mask**” as **255.255.255.0**;
2. The IP addresses to be assigned, existing configurations permitting, are those in class C: they must have the base **192.168.0.x** to which a sequential number is appended for each PC. For example: 192.168.0.1 for the first machine, 192.168.0.2 for the second machine etc...



ATTENTION: two PCs with the same address cannot coexist on the network.

Do not change any of the settings in the “DNS Configuration”, “Gateway” and “WINS Configuration” panes, as these contain configuration parameters for complex networks. If they are defined, request information from the network manager.

5. TELESERVICE FUNCTIONS

The teleservice function makes possible to very quickly reinstate system operation in the event of software problems, and to perform software upgrades without a technician visiting the premises.

In order to access this service, it is necessary to install and configure the modem, and to use a SW program which establishes a connection between the PCs of the customer and technician.

5.1. MODEM

There are various types of modems: we recommend the use of an external modem (because it is easier to manage and can be reset without switching off the PC) that can operate at a speed of 56 Kbps.

The machine running the Server data base will be installed on the Club premises.

For the installation and configuration of the modem, follow the instructions provided with the modem or with the operating system installed on the machine.

5.2. PCANYWHERE

This is the SW program which manages the remote connection between the PC of your technical service center and the customer's PC. This remote connection is established via the modem and the telephone lines, and enables teleservice to take place. The pcANYWHERE program is produced by the company Symantec, and we recommend using version 10.0 or higher. To install the program, follow the instructions provided in the user's manual.

pcANYWHERE must be installed on:

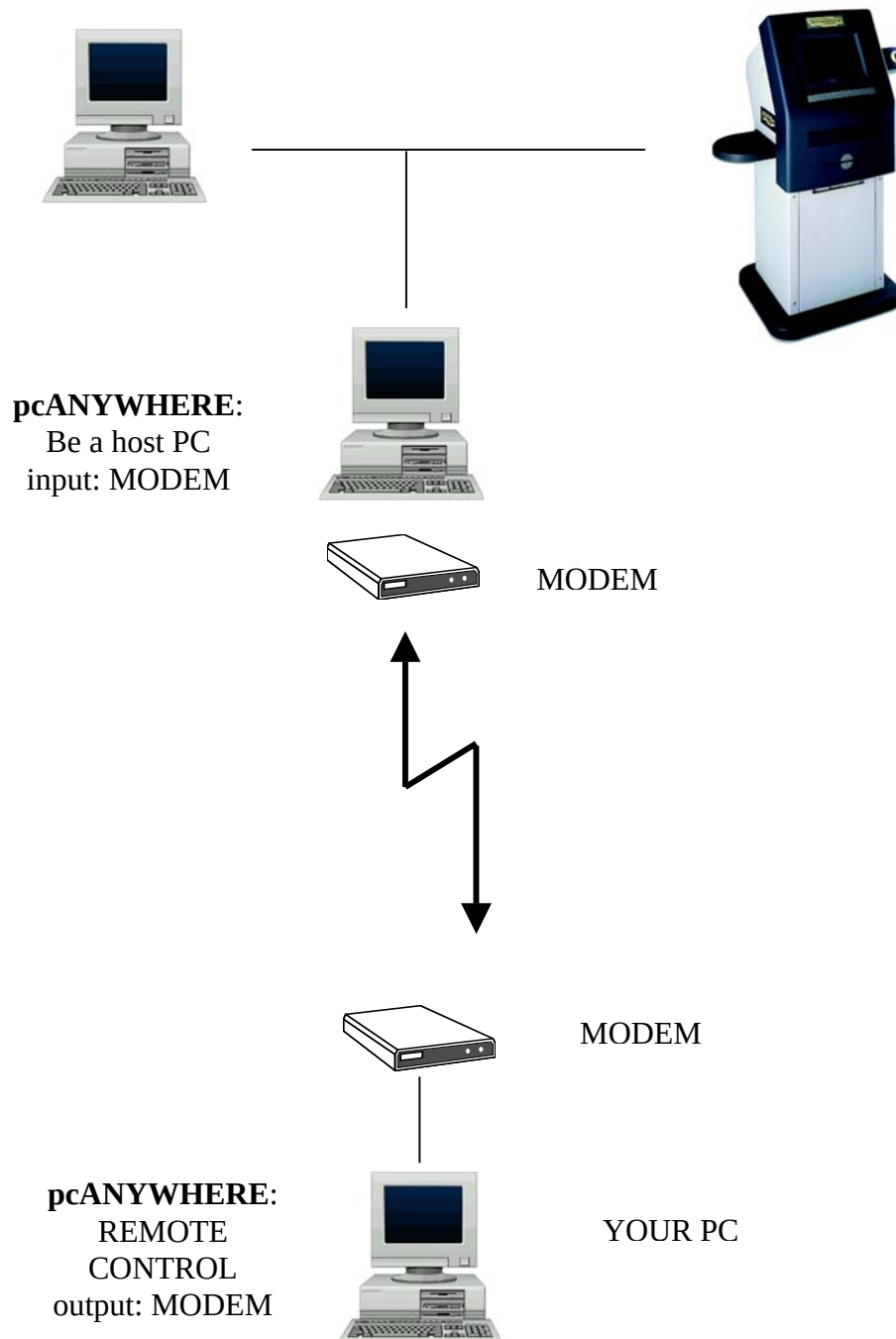
- the PC of your technical service center;
- all the customer PCs on which the myWellness SW products are installed.

5.2.1. TELESERVICE ON THE PC WITH MODEM

pcANYWHERE will function in the following mode:

- **On the technical service center PC:** in the "remote host" section, create a new icon and give it the same name as the customer: the exit line of this connection will be the modem and the telephone number of the customer's modem.
- **On the customer's PCs with modem:** in the "be a host PC" section, create a new icon named "This PC remote service": the input line of this connection will be the modem. Move this icon to the PC desktop: this will be the icon that the customer clicks to enable access to his PC.

Therefore, the configuration will be:



5.2.2. TELESERVICE ON THE OTHER PCs OF THE NETWORK

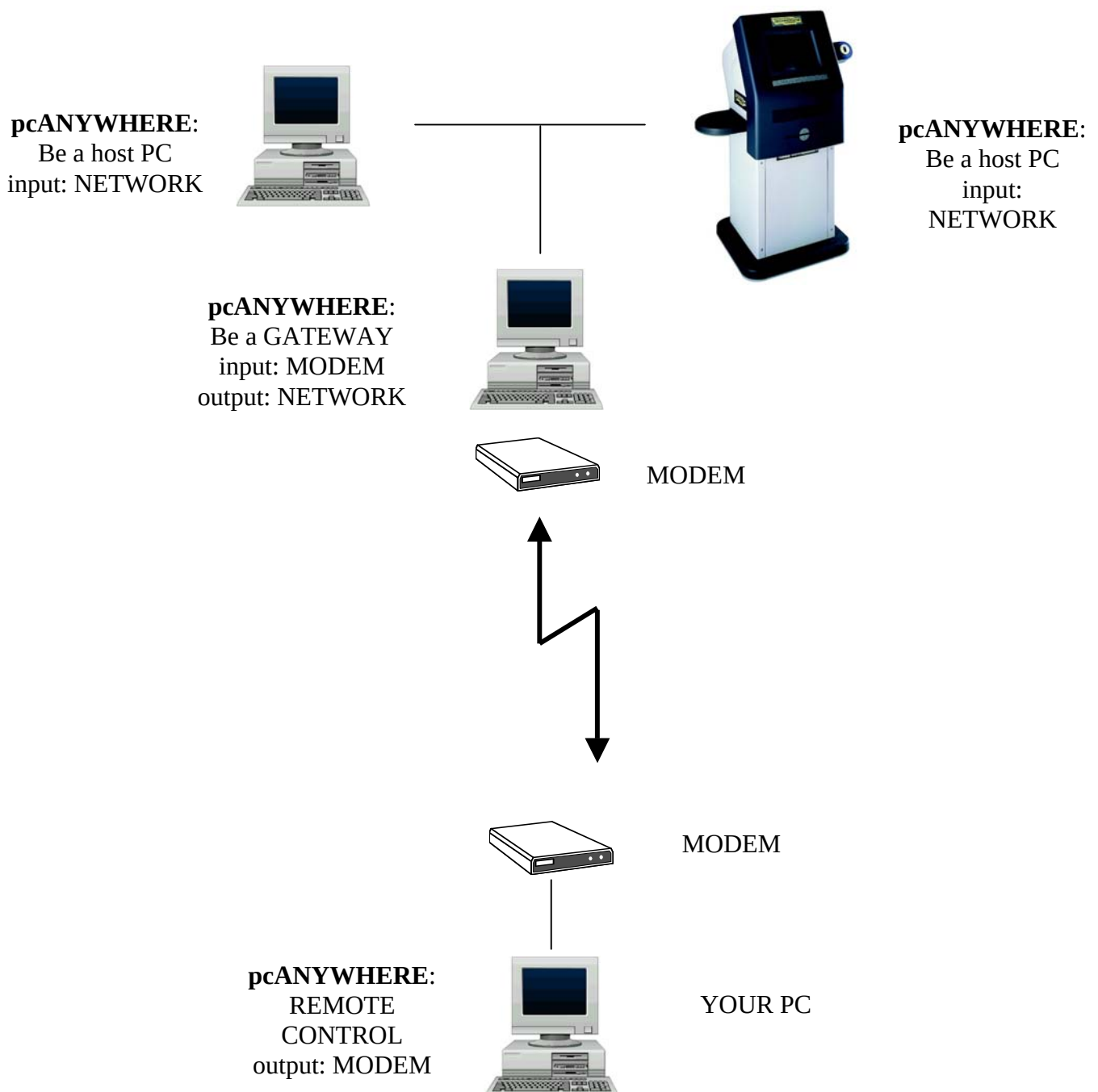
pcANYWHERE will function in the following modes:

- **On the technical service center PC:** in the “remote host” section, create a new icon with the same name as the customer: the output line of this connection will be the modem and the telephone number of the customer’s modem. This mode is identical to that described in the preceding paragraph.
- **On the customer’s PCs with modem:** in the “be a gateway” section, create a new icon named “Network Remote Service”: the input line of this connection will be the modem, and its output

line will be one of the installed network protocols. Move this icon to the PC desktop: this will be the icon which the customer clicks to allow access to his network.

- **On the other customer PCs:** in the “be a host PC” section, create a new icon named “This PC remote service”: the input line for this connection will be the same network protocol selected for the gateway. Move this icon to the PC desktop: this will be the icon which the customer must click to enable access to his PC.
RealVNC or VNC can be used on the client instead of PcAnywhere. This free utility can be downloaded from Internet and can be installed to run as a service and so to start up automatically.

The configuration will therefore be:



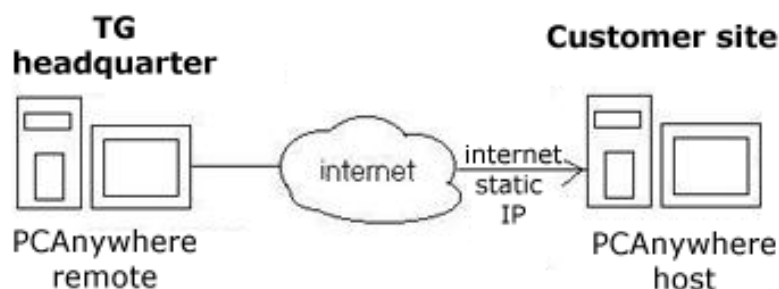
5.3. REMOTE SERVICE THROUGH INTERNET

This is the modality preferred by us to be able to access the PC of the customer. Such modality requires the PCAnywhere use through the Internet net. On the customer PC server, in the section "Be to Host PC" create a new icon with name "remote internet service": such connection will have as entry line the TCPIP protocol.

There are 2 possible different modalities to access the customer LAN through internet:

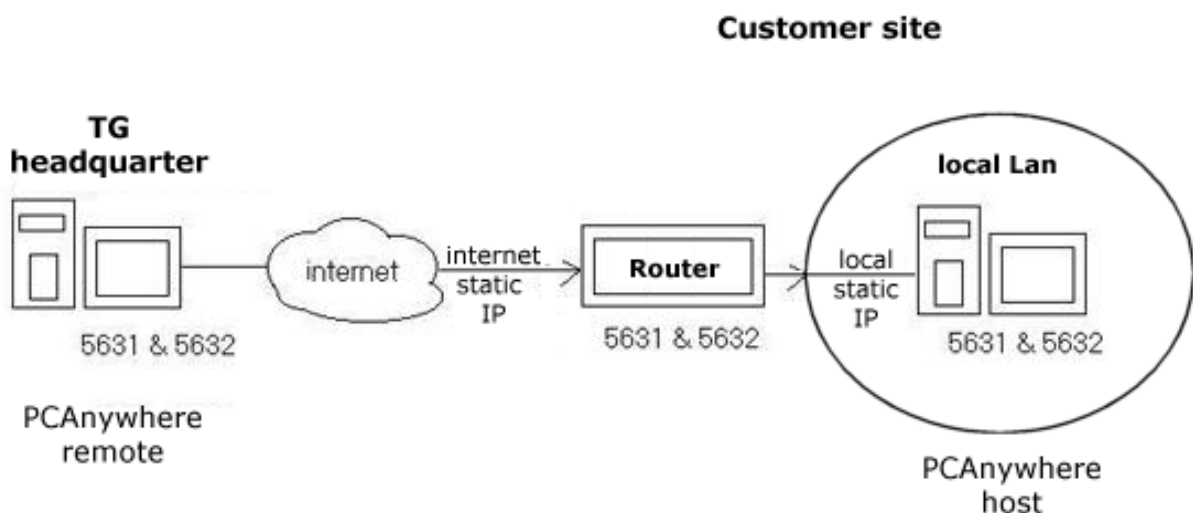
5.3.1. PC SERVER WITH A VALID INTERNET IP ADDRESS

This is the diagram:



5.3.2. PC SERVER WITHOUT A VALID INTERNET IP ADDRESS (ACCESS THROUGH A ROUTER, PROXY ETC ...)

This is the diagram:



In this configuration, the router must be set to automatically forward the incoming connection on ports 5631 and 5632 (standard ports used by PcAnywhere) of the internet static IP address to the local static IP address of the PC Server.

WARNING: learn more at

http://www.winproxy.com/english/support/WinProxy3/sp_PC_AnyWhere_en.asp.

6. SW INSTALLATION

Before installing the SW, carry out the following preliminary operations:

6.1. VERIFYING THE HW/SW CONFIGURATION

On each PC, check that:

- The characteristics are compatible with the system requirements set out in the chapter 3. “System architecture”;
- The network is configured as described in chapter 4. “Structure of the network”.

6.2. OPERATIONS ON THE DATA SERVER PC



It is recommended that you reboot the PC before and after each installation or disinstallation operation of the SW.

6.2.1. INSTALLING WELLNESS SYSTEM GetID (ONLY FOR VERSIONS OLDER THEN EXCITE)

Wellness System GetId is an application that must be installed on the server computer; it is used for:

- obtaining the server identifier (IDServer);
- modifying the number of licenses for each product.

To install the application, launch the setup.exe program on the installation CDROM in the GetID folder. At the end of the installation, a link is created on the desktop.

Running this program displays the following screen, which shows the server identifier:

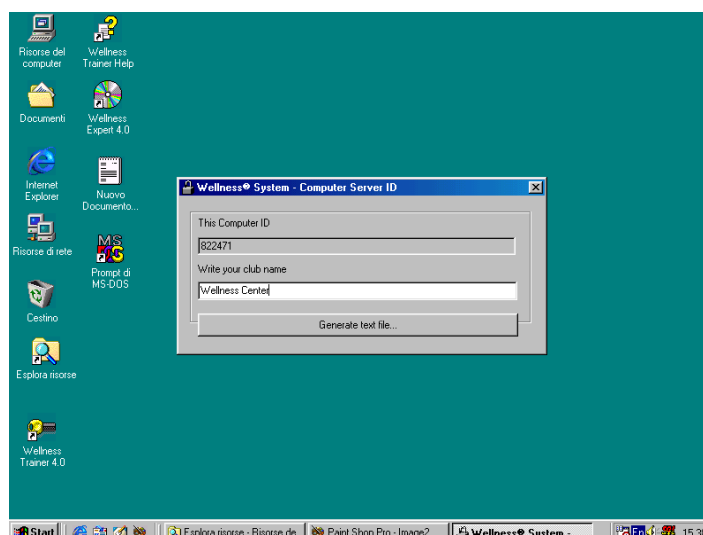


Figure 6.2-1

This is a unique number calculated, calculated based on the HW characteristics of the server computer, and is used for generating the SW activation codes.

Clicking the “Generate text file” button of this application creates a text file, called compid.txt, which contains the IdServer and ClubName.

6.2.2. CREATING A SHARED FOLDER

In order to manage the licenses, it is necessary to create a **shared read/write folder** on the server, which must be named “Sharedpath”. Setup will prompt for the path of this folder in order to copy the license files into it. The procedure is as follows:

- Create a “Sharedpath” folder;
- Enable read-write sharing;
- Make sure that every PC in the network is able to access the shared folder.

6.2.3. DATA BACKUP

When upgrading the application, you must back up the database because as requested in paragraph 6.2.4. “Uninstalling the old release and deleting the folders” you have to uninstall the previous version and therefore delete the database file. To standardize this operation, create a folder named **C:\WSBCK** and after having stopped the Sysbase engine, copy into this folder the files:

- c:\tgsystem\trainer\tsc_data\tgs_data.db;
- c:\tgsystem\trainer\tsc_data\tgs_data.log: if it is present.



If during the database installation you didn’t choose the folder that the setup proposed by default, you must identify where the database file is. To find that check the property of the shortcut used to launch the database. Reading the below command:

"C:\Program Files\SYBASE\ASA70\win32\dsrv7.exe" -ti0 -gk all -ct -c2048 -n TGS_DATA C:\TGSYSTEM\TRAINER\TSC_DATA\TGS_DATA.DB

you can easily identify which is the database folder, and then copy the files you find there.



It is recommended that you check whether the date of the files is that of the last usage of the SW.

Make a second copy of this folder on the hard disk of a Wellness Expert, if installed, or on another PC on the network.

6.2.4. UNINSTALLING THE OLD RELEASE AND DELETING THE FOLDERS



If there is also a Technogym System Trainer SW installed on the data server PC, before proceeding with the steps below, carry out the operations described in paragraph 6.3.1. “Data backup”.

In the case of application upgrades, it is necessary to uninstall Sybase SQL Anywhere 5.0 and the Technogym System Trainer if installed. It is also necessary to:

- delete the folder c:\Tgssystem, c:\sqlany50 e c:\sybtools;
- reconstruct the path c:\tgssystem\trainer\tsc_data and copy the database files (TGS_DATA.db and TGS_DATA.log) from C:\Wsbck into the newly created folder. (this because tgs_data.db is normally found in this folder, and therefore should be in the same position when performing the upgrade). Leave a copy of the database in the folder C:\WSbck.

6.3. OPERATIONS ON PC TRAINERS



It is recommended that you reboot the PC before and after each installation or disinstallation operation of the SW.

6.3.1. DATA BACKUP

When upgrading the application, it is necessary to copy the .ini files. To standardize this operation, create the folder **C:\WSBCK** and copy into it the file c:\tgssystem\trainer\tsc_exe\tgs.ini.

6.3.2. UNINSTALLING THE OLD RELEASE AND DELETING THE FOLDERS

If upgrading the application, it is necessary to uninstall the installed Technogym Sytem Trainer SW and the Sybase SQL Anywhere 5.0. It is then necessary to delete the folders c:\Tgssystem, c:\sqlany50 and c:\sybtools.

6.3.3. VERIFY INSTALLATION OF IE5.0

To ensure correct operation of the setup program and the application, **Internet Explorer 5.0** or higher must be installed on the system.



The Wellness Trainer installation CDROM contains the Internet Explorer installation setup in many languages.

6.4. OPERATIONS ON EXPERT PCS



It is recommended that you reboot the PC before and after each installation or disinstallation operation of the SW.

6.4.1. DATA BACKUP

When upgrading the application, it is necessary to copy the .ini file. To standardize this operation, create the folder **C:\WSBCK** and copy into it the file c:\tgssystem\expert\con_exe\console.ini

6.4.2. UNINSTALLING THE OLD RELEASE AND DELETING THE FOLDERS

When upgrading the application, it is necessary to uninstall the installed Wellness Expert SW and the Sybase SQL Anywhere 5.0. It is then necessary to delete the folders c:\Tgssystem, c:\sqlany50 and c:\sybtools.

6.4.3. VERIFY INSTALLATION OF IE5.0

To ensure correct operation of the setup and the application, **Internet Explorer 5.0** or higher must be installed on the system.

6.4.4. VIDEO RESOLUTION

Set the monitor resolution to 800x600 with at least 65536 colors.

6.5. INSTALLING SYBASE ADAPTATIVE SERVER ANYWHERE & WELLNESS TRAINER SERVER

Follow the instructions provided in the manual “Wellness Trainer 4.0 - Installation instruction” which can be ordered with code OSM00052 up to version 4.0.106, OSM000075 from version 4.0.1040.



The installation procedure allows to install both the Server and Wellness Trainer. At the start up, it asks to select the SWs to install by ticking them in a check box. In case one or both SW components are already installed, the check box will be already ticked. If you untick one, the relative SW components will be uninstalled.



Starting from version 4.0.86, the Wellness Trainer setup updates the db to version 7.0. For preceding versions this can be done manually by launching the command:

dbupgrad – c “DSN=TGS_DATA”



Starting from version 4.0.86, the system is compatible with multisite facility. Due to that, the update of the workout data database table might take many hours according to the database size. Therefore during the installation, only the last month data are upgraded. To complete the upgrade, you can use the program “Workout restore” that you can find into the Wellness System Data Base group.

It is recommended that you launch this program during the night and if the morning it is still running, you can stop it and re-launch later on: it will re-start where stopped.

6.6. INSTALLING THE WELLNESS TRAINER

Follow the instructions given in the manual “Wellness Trainer 4.0 - Installation instruction” which can be ordered with code OSM00052 up to version 4.0.106, OSM000075 from version 4.0.1040.



The installation procedure allows to install both the Server and Wellness Trainer. At the start up, it asks to select the SWs to install by ticking them in a check box. In case one or both SW components are already installed, the check box will be already ticked. If you untick one, the relative SW components will be uninstalled.

6.7. INSTALLING THE WELLNESS EXPERT

The installation of the Wellness Expert SW is carried out by Technogym on Wellness Expert products. However, for the purposes of SW upgrades or re-installation in the event of any problems, the installation procedure is described below.

6.7.1. INSTALLATION UP TO SETUP BUILD 4.0.83

The software for installing the Wellness Expert is supplied on a CD ROM. Insert the CD ROM in the drive. If the autoplay function is enabled on the PC, inserting the CD in the disk drive will automatically start the installation program. If the autoplay function on the PC is disabled, it is necessary to launch the SETUP program directly from the CD ROM: click the **“Start”** button, then select the **“Run”** item and enter the command D:\setup.exe in the run application dialog box. After starting the installation, the following dialog box appears:

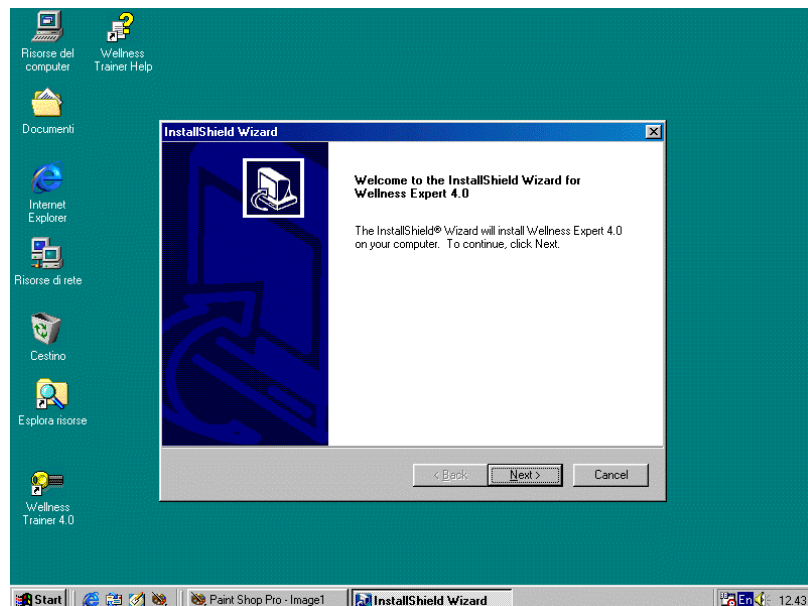


Figure 6.7-1

Press the “**Next>**” key to proceed. The following dialog box appears:

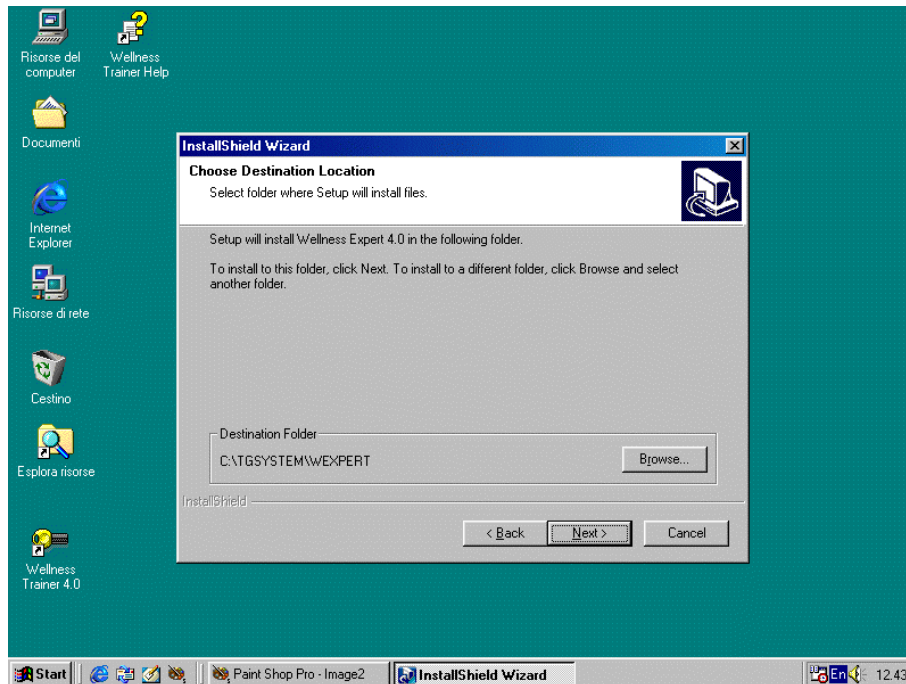


Figure 6.7-2

Click the “**Next>**” button to proceed. The following dialog box appears:

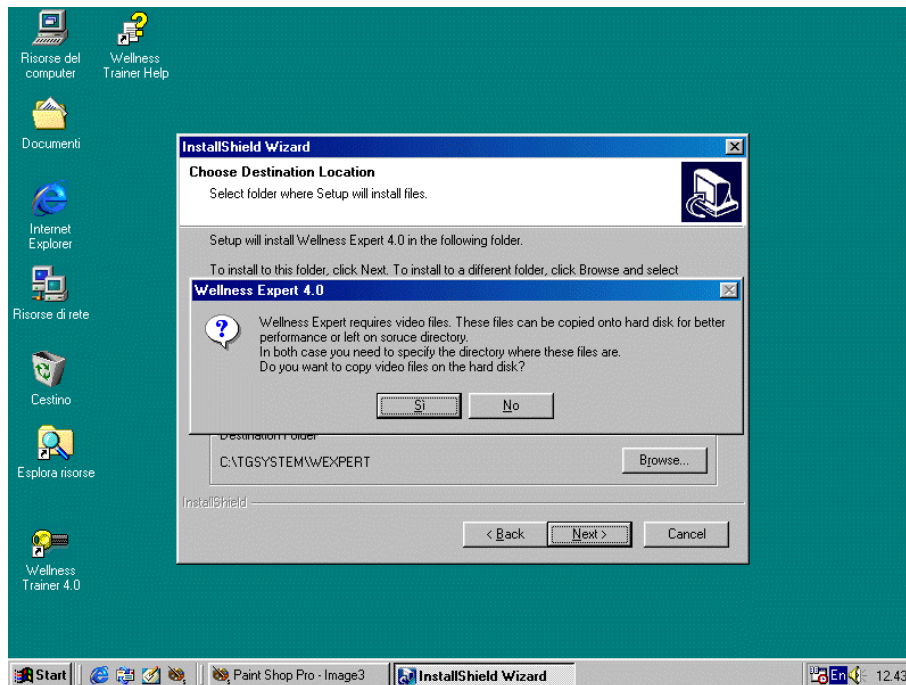
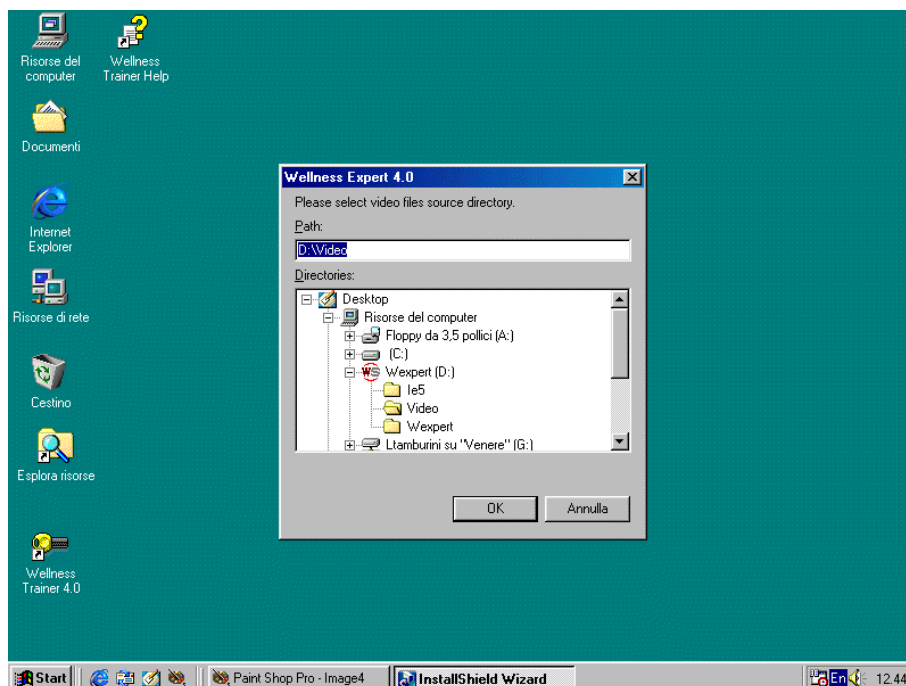
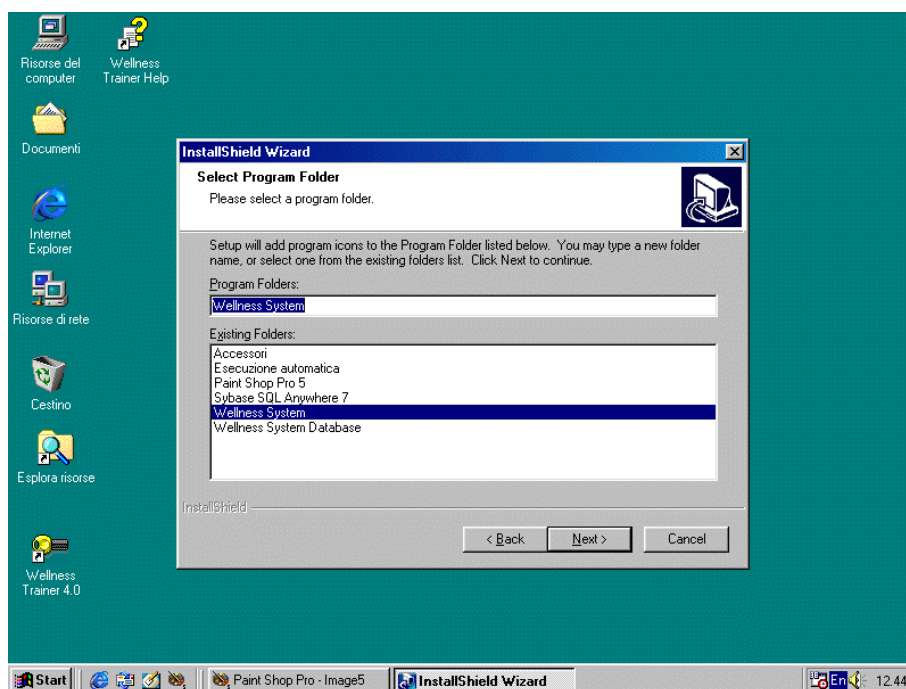


Figure 6.7-3

The system asks whether to copy the video clip files to the hard disk of the Wellness Expert PC. Click the “**Yes**” button to proceed. The following dialog box appears:

**Figure 6.7-4**

Here, it is necessary to specify the path of the **“Video”** folder on the CD ROM which contains the video clips. Select the path and click **“OK”** to proceed.

**Figure 6.7-5**

Click the **“Next>”** button to proceed. The following dialog box appears:

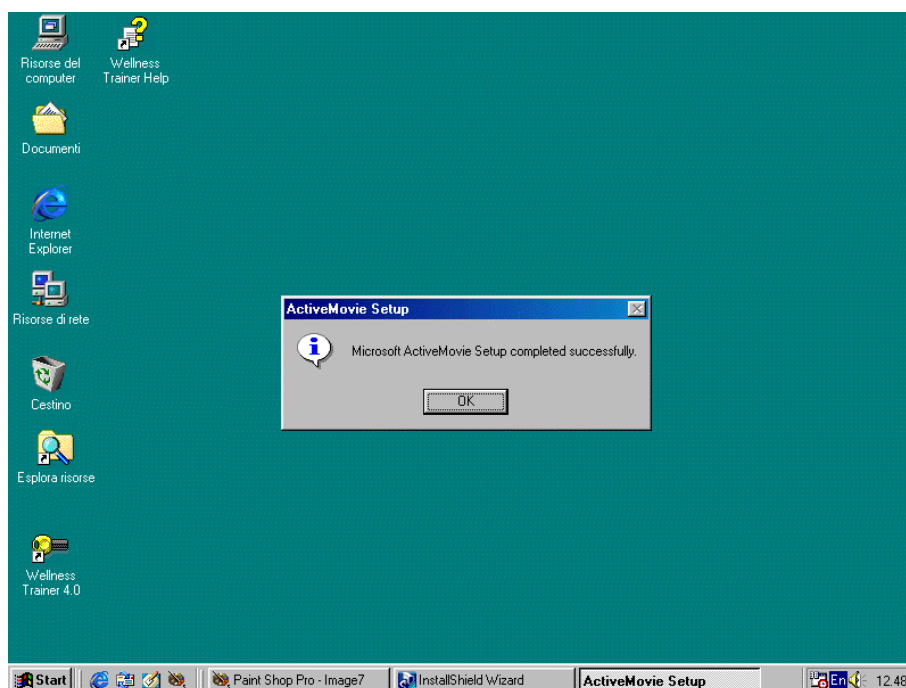


Figure 6.7-6

Click the “OK” button to proceed. The following dialog box appears:

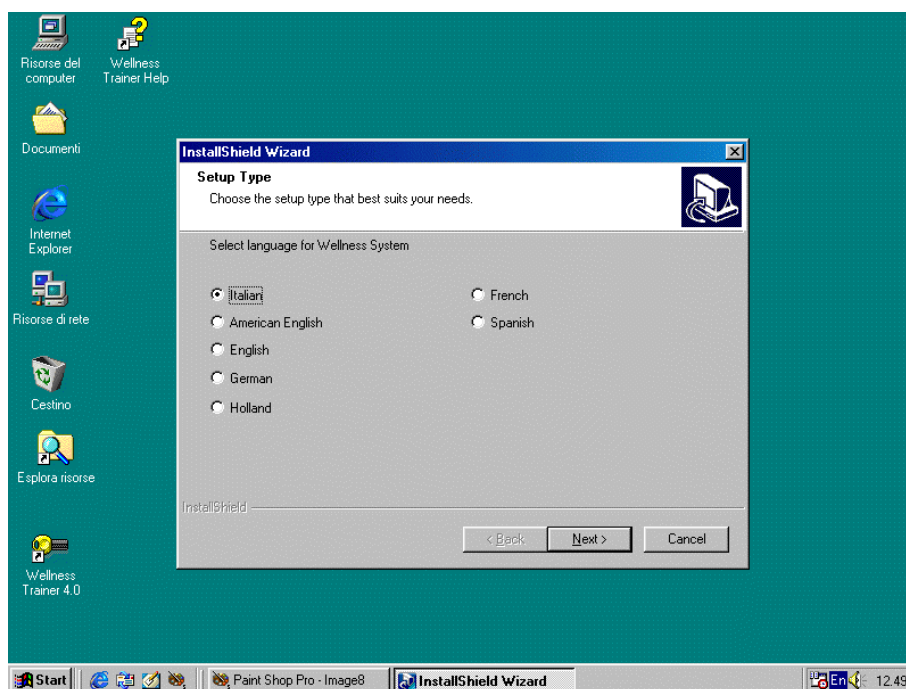


Figure 6.7-7

Select the language for the SW, then click the “**Next>**” button to proceed. The following dialog box appears:

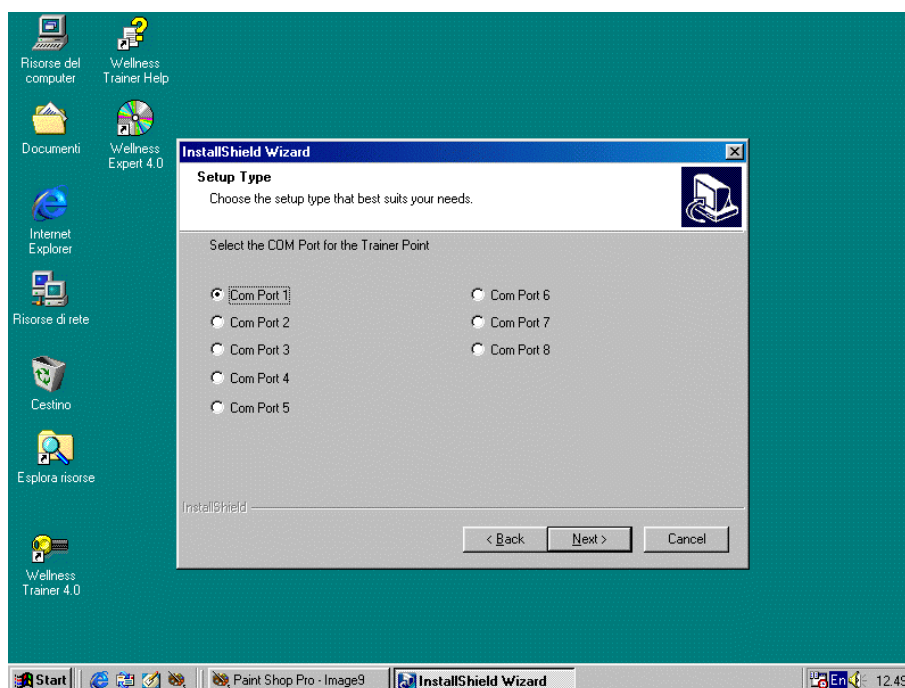


Figure 6.7-8

Select the PC serial port to which the Trainer Point has been connected. Select “**Com Port 1**” then click the “**Next>**” button to proceed with the installation.

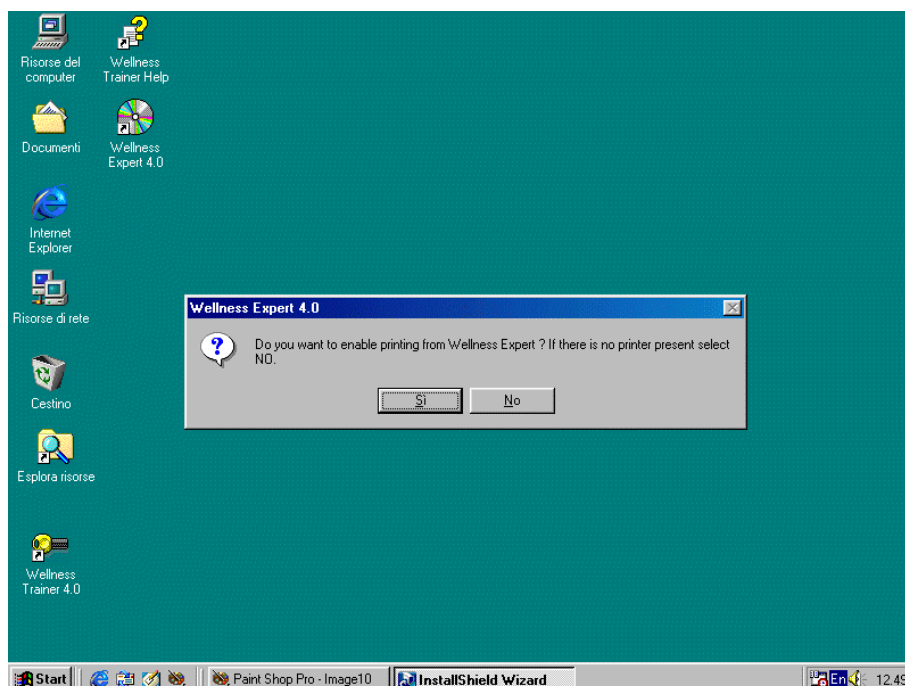


Figure 6.7-9

Choose whether to enable printing from the Wellness Expert SW. Click the “**Yes**” button to print, or click “**No**” to disable printing.



The above selection changes the value of the FlagNoPrint parameter in the file console.ini. Therefore, this setting can subsequently be changed by manually modifying the value of the parameter: enter 0 to enable printing, or 1 to disable printing.

At this point, the following dialog box appears:

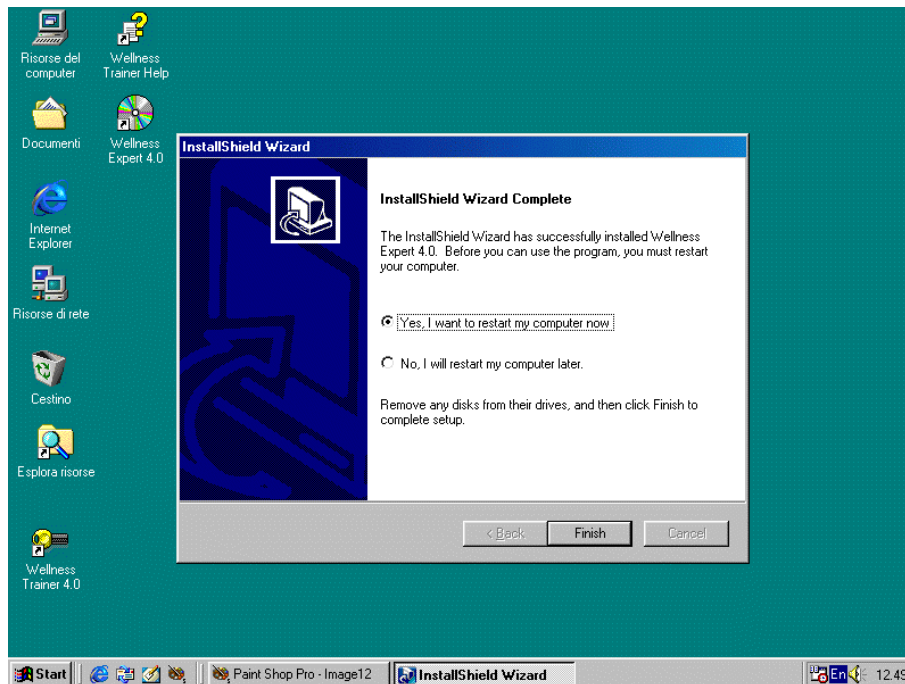


Figure 6.7-10

The installation program prompts the user to reset the PC in order to configure itself correctly and complete the installation. Select **“Yes, I want to restart my computer now”** and click the **“Finish”** button to proceed with the machine reset and restart the system.

6.7.2. INSTALLATION UP TO SETUP BUILD 4.0.1038

Starting from Setup Build 4.0.1038, the installation SW for the Wellness Expert is composed by 2 CD-ROMs. One contains the SW installation the other the video clips. The installation procedure has to start with the SW installation and continue with the clips installation.

Insert the first CD ROM (SW installation) in the drive. If the autoplay function is enabled on the PC, inserting the CD in the disk drive will automatically start the installation program. If the autoplay function on the PC is disabled, it is necessary to launch the SETUP program directly from the CD ROM: click the **“Start”** button, then select the **“Run”** item and enter the command D:\setup.exe in the run application dialog box. After starting the installation, the following dialog box appears:

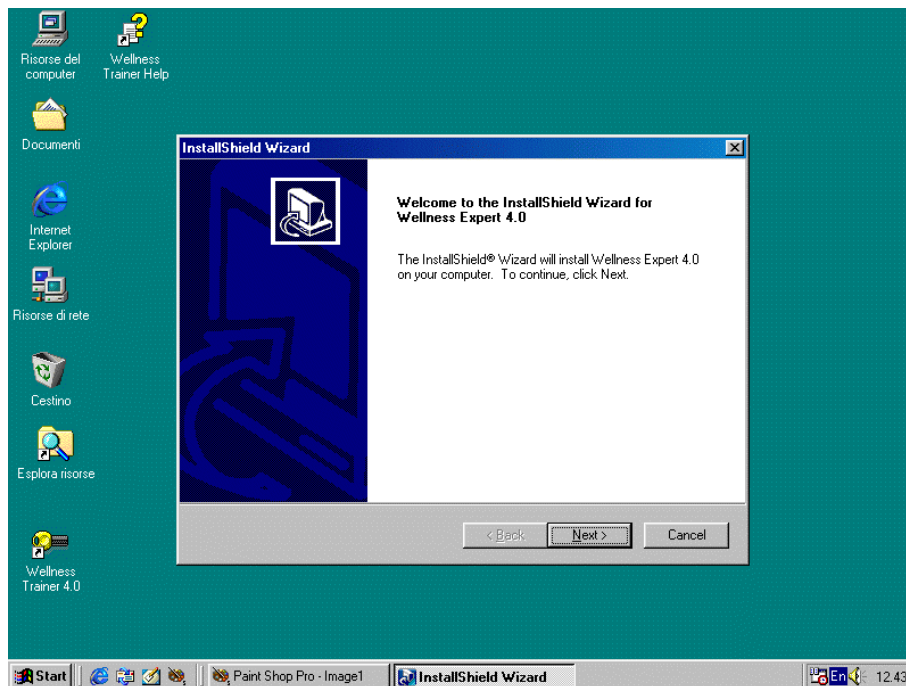


Figure 6.7-11

Press the “**Next>**” key to proceed. The following dialog box appears:

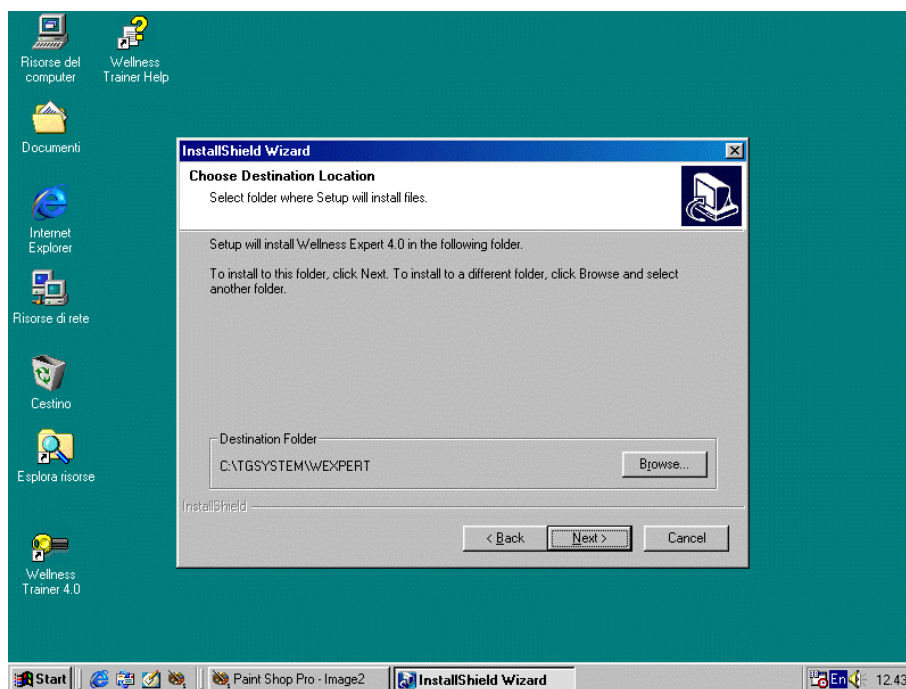


Figure 6.7-12

Click the “**Next>**” button to proceed. The following dialog box appears:

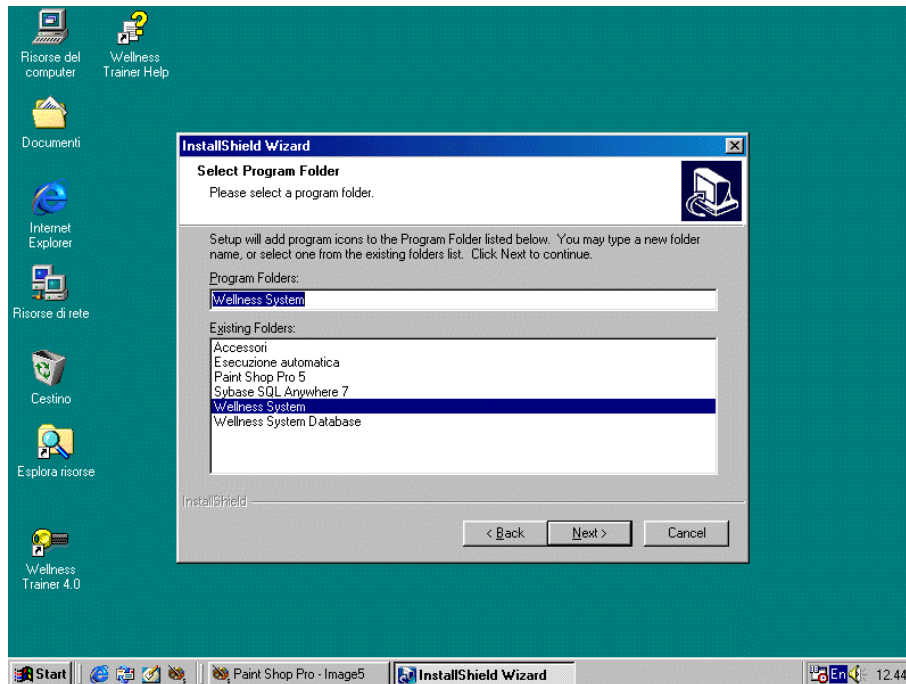


Figure 6.7-13

Click the “**Next>**” button to proceed. The following dialog box appears:

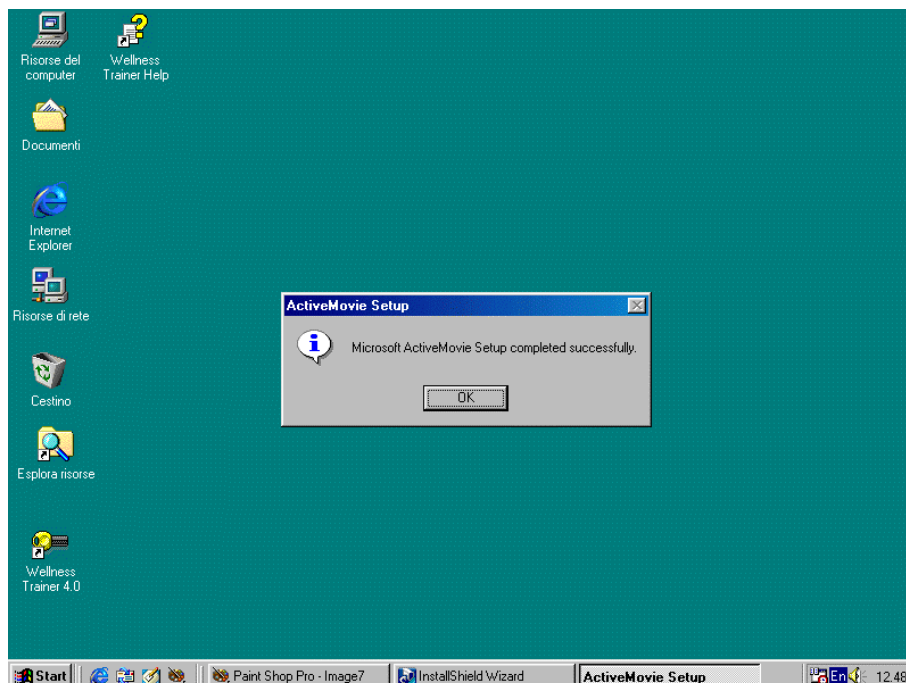


Figure 6.7-14

Click the “OK” button to proceed. The following dialog box appears:

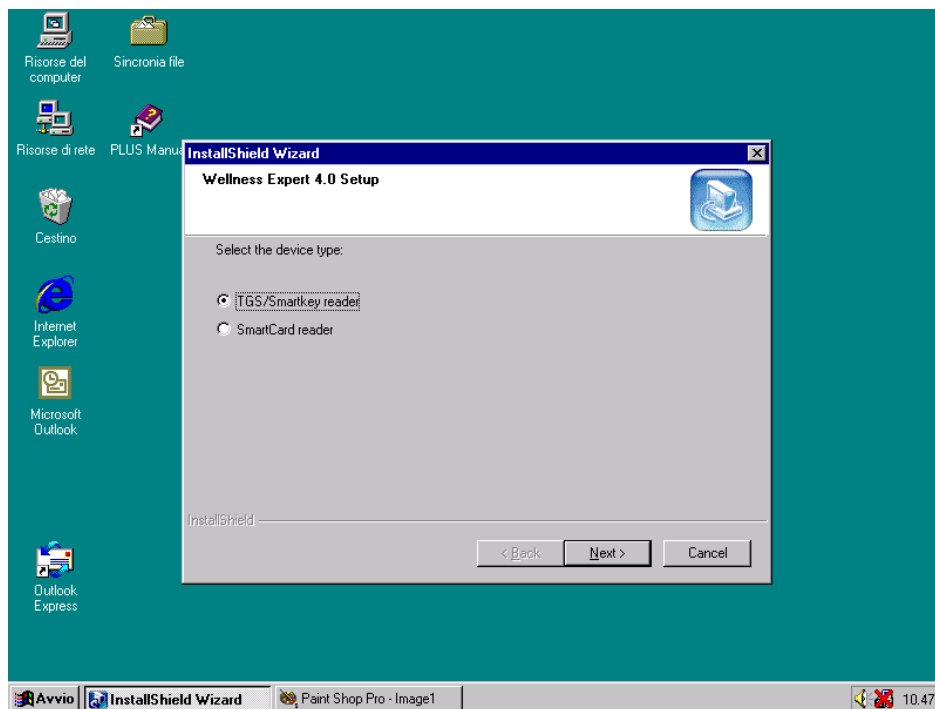


Figure 6.7-15

Select the device type connected to the PC serial port. “**TGS/Smartkey Reader**” has to be selected if the TGS key reader is used while “**SmartCard Reader**” in case the smartcard reader is used. Then click the “**Next>**” button to proceed. The following dialog box appears:

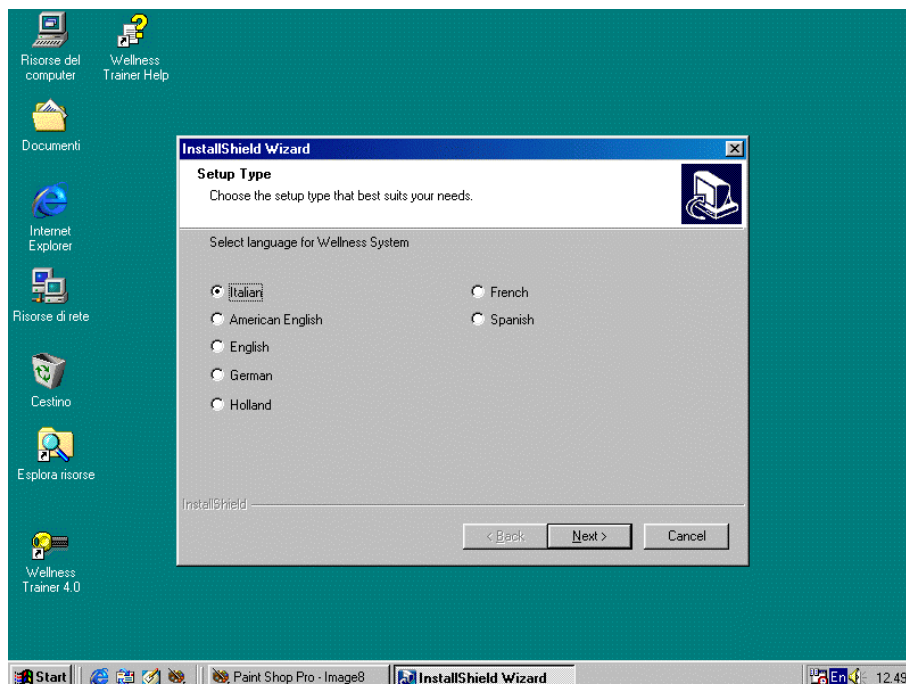


Figure 6.7-16

Select the language for the SW, then click the “**Next>**” button to proceed. The following dialog box appears:

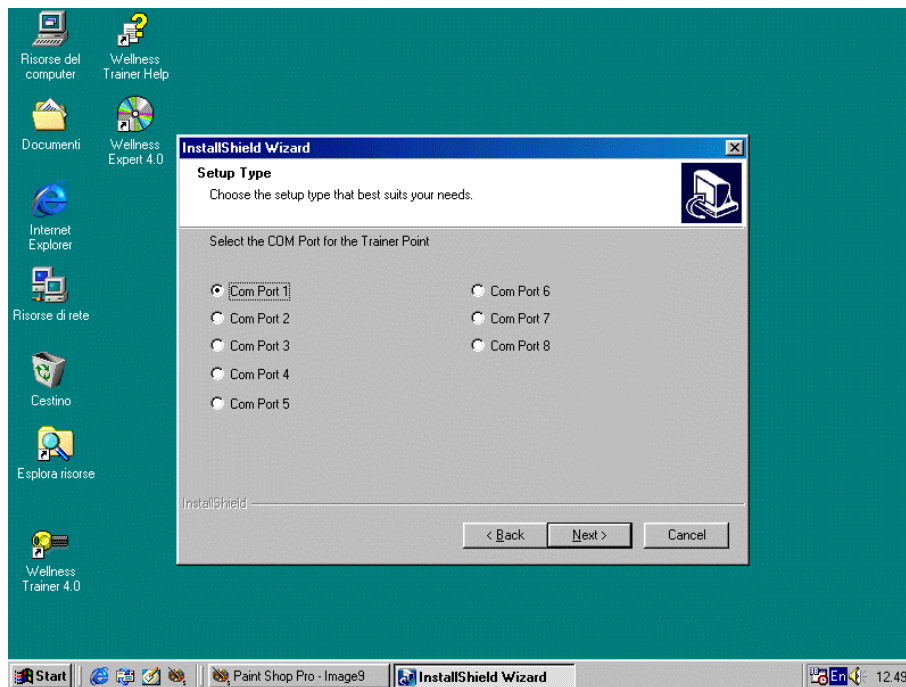


Figure 6.7-17

Select the PC serial port to which the Trainer Point has been connected. Select “**Com Port 1**” then click the “**Next>**” button to proceed with the installation.

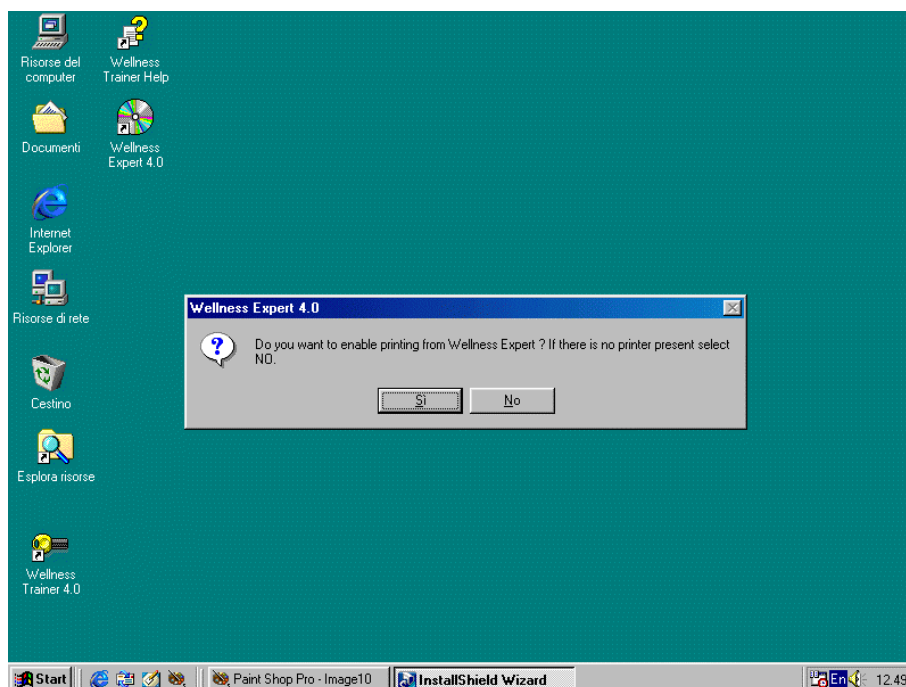


Figure 6.7-18

Choose whether to enable printing from the Wellness Expert SW. Click the “**Yes**” button to print, or click “**No**” to disable printing.



The above selection changes the value of the FlagNoPrint parameter in the file console.ini. Therefore, this setting can subsequently be changed by manually modifying the value of the parameter: enter 0 to enable printing, or 1 to disable printing.

At this point, the following dialog box appears:

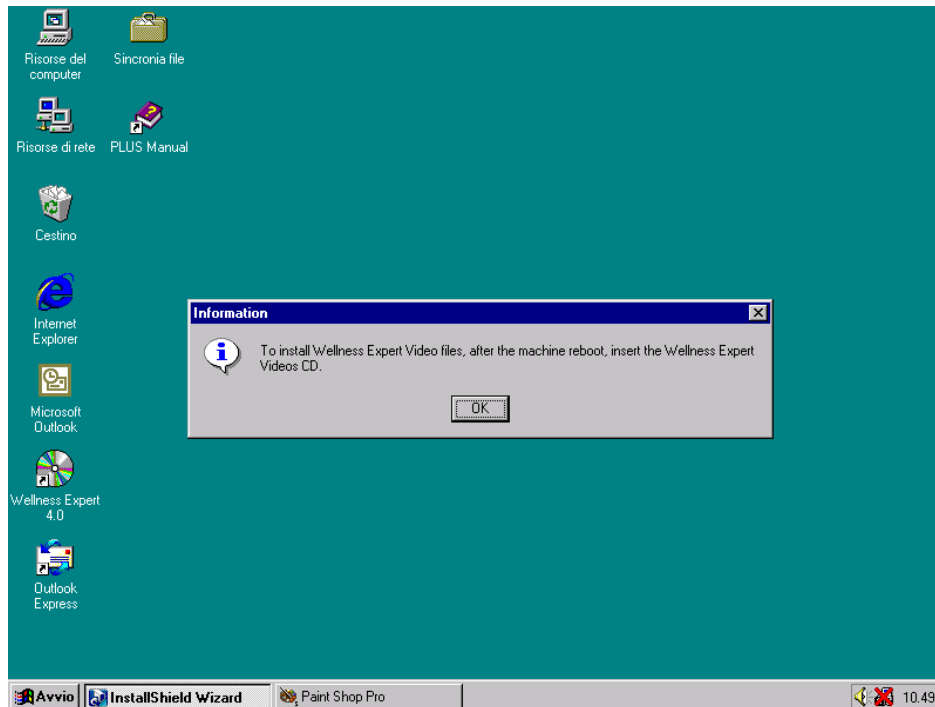


Figure 6.7-19

Click the “OK” button to proceed. The following dialog box appears:

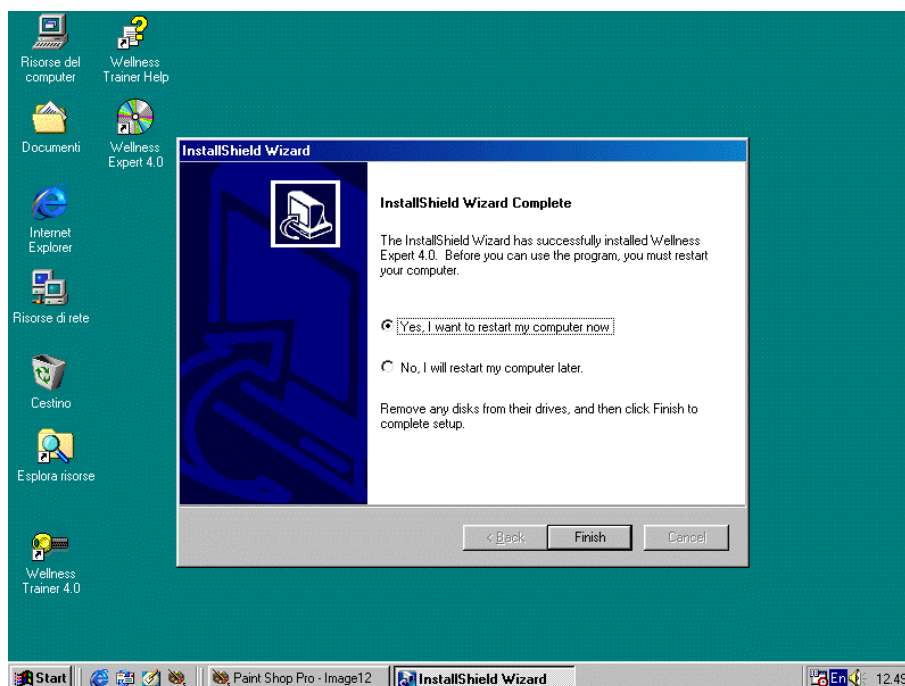


Figure 6.7-20

The installation program prompts the user to reset the PC in order to configure itself correctly and complete the installation. Select **“Yes, I want to restart my computer now”** and click the **“Finish”** button to proceed with the machine reset and restart the system.

Now the second CD-ROM has to be inserted into the drive. If the autoplay function is enabled on the PC, inserting the CD in the disk drive will automatically start the installation program. If the autoplay function on the PC is disabled, it is necessary to launch the SETUP program directly from the CD ROM: click the **“Start”** button, then select the **“Run”** item and enter the command `D:\setup.exe` in the run application dialog box. After starting the installation, the following dialog box appears:

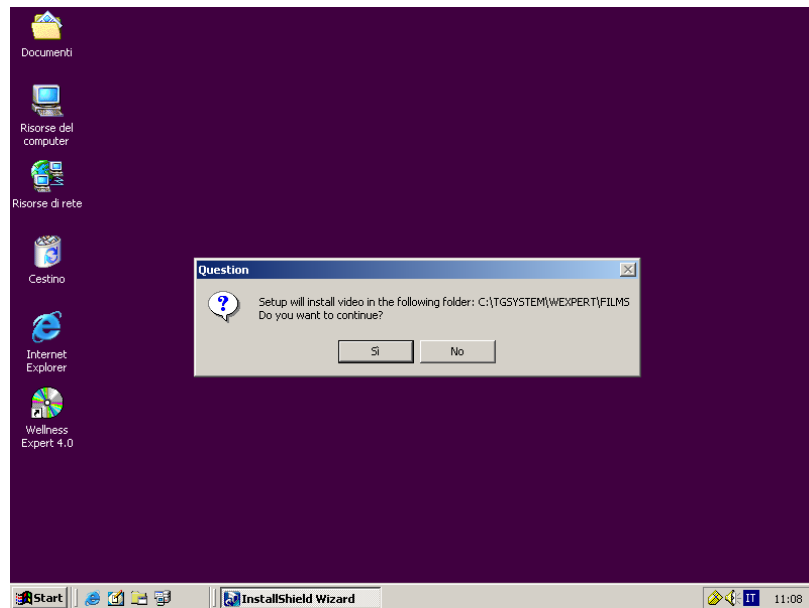


Figure 6.7-21

Click the **“Yes>”** button to proceed. The following dialog box appears:

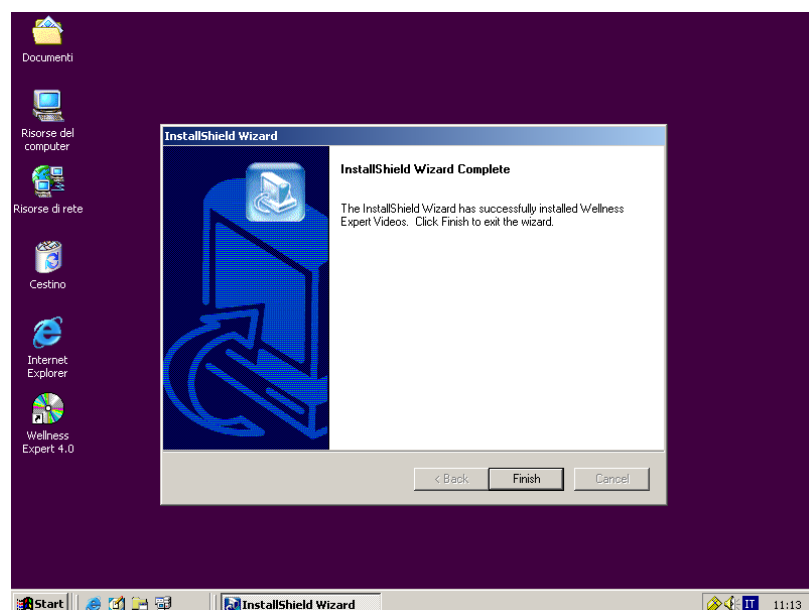


Figure 1

Click the **“Finish”** button to complete the installation.

7. WEB CODES

7.1. PURPOSE OF THE PROGRAM

The program enables every distributor or branch to access a protected area, by means of a username and password (specific to the code generation environment), in which it is possible to:

- Display the licenses that have not yet been used. The number of unused licenses is obtained by subtracting the number of licenses used from the licenses ordered, separately for each individual product;
- Generate the activation codes.
- Associate the generated codes (software licenses) to the corresponding purchase orders, to permit the traceability of installations and orders.

7.2. ACCESS

The code generation service is available at the address <https://www.technogym.com/support>. The below login window will appear:



The login window is titled "Login" and contains the following text: "Login allowed to authorized users only. For any info please contact: service@technogym.com". Below this text are two input fields: "User Name:" and "Password:". At the bottom left of the window is an "ok" button.

Figure 7.2-1

Access to the code generation procedure is granted only to authorized users. Each distributor or branch that distributes the Wellness System can request, from Technogym service@technogym.com, the activation of one or more accounts for accessing the code generation service.

Initially, each distributor will be assigned a single account and notified of the corresponding User Name and Password.

7.3. USING THE PROGRAM

7.3.1. LICENSE ACCOUNT



Figure 7.3-1

Clicking on **License account**, the following menu appears on the left of the page:

Incoming
Shipped
Total Shipped
Installed
Balance
Available

Figure 7.3-2

from here it is possible to:

- **Incoming:** display the list of orders and license codes that still need to be shipped by Technogym
- **Shipped:** display the list of orders and license codes that have already been shipped by Technogym
- **Total:** display the total number of licenses received from Technogym
- **Balance:** display the number of licenses available for generating codes
- **Installed:** find out how the licenses received have been used
- **Available:** display the available licenses for generating the codes

7.3.1.1. Incoming

Displays a table similar to that of the Shipped Licenses, showing which are the licenses that have been ordered from Technogym but not yet shipped. These licenses do not contribute to the Balance.

7.3.1.2. Shipped

The program displays the following table, which lists the licenses that have been shipped by Technogym. Only these licenses are used for calculating the Balance.

Shipped Licenses User: Stefano Gabellini						
BaanCode	Purchase number	Order date	Product	Type	Licenses	Source
E010V4 - ITA	700547	3/15/2001	Expert 4.0	New	2	Baan
E010V4 - ITA	208115	6/25/2001	Expert 4.0	New	4	Baan
E077V4	208115	6/25/2001	Trainer 4.0	New	2	Baan
E011V4	208115	6/25/2001	Trainer 4.0	New	3	Baan
E075V4	208115	6/25/2001	Data Base 7.0	New	2	Baan
E012V4 - ITA	207886	6/5/2001	Expert 4.0	New	1	Baan
E010V4 - ITA	207477	4/3/2001	Expert 4.0	New	2	Baan

Figure 7.3-3

In the above table, each line corresponds to a shipped product license:

- **Baan Code:** the Baan product code;
- **Purchase Order:** the purchase code of the license;
- **Order Date:** the date of the purchase order;
- **Product:** the product for which the codes can be generated;
- **Type:** the type of license that can be used;
- **Licenses:** the number of licenses shipped;
- **Source:** identifies the source of the order information.



NOTES: the Baan codes E011V4 and 077V4 appear on the site as Trainer 4.0 licenses of type New and Add New, and are used differently for the purposes of generating the licenses. Every order must include an E011V4 code which corresponds to the first Trainer license, and as many E077V4 licenses as there are additional work stations. The correctness of the orders is checked in real time. If a club's purchase order contains only E077V4 codes without any E011V4 codes, it will not be possible to generate the activation codes.

7.3.1.3. Total Shipped

The program displays the following table, which lists the total number of licenses received from Technogym. The table is purely for informational purposes.

Invoiced Licenses User: Stefano Gabellini						
	New		Upgrade		Hardware	Service
	Base	Additional	Base	Additional		
Data Base 7.0	47	0	104	0	20	0
Trainer 4.0	44	22	104	17	52	0
Expert 4.0	39	0	99	10	47	0

Figure 7.3-4

7.3.1.4. Balance

The program displays the following table, which lists the type and number of licenses for which it is possible to generate activation codes.

Balance User: Stefano Gabellini						
	New		Upgrade		Hardware	Service
	Base	Additional	Base	Additional		
Data Base 7.0	6	0	15	0	2	0
Trainer 4.0	9	6	15	3	1	0
Expert 4.0	2	0	15	1	3	0

Figure 7.3-5

In the above table, each line corresponds to a product, while the columns correspond to the different types of licenses available:

- **New:** indicates a new product license, which can be either a base or additional license;
- **Upgrade:** indicates a license for upgrading from previous software versions, which can be either a base or additional license;
- **Hardware:** this type of license is used for regenerating the codes when the hardware of the server is changed;
- **Service:** this license can only be used with the authorization of Technogym;

In the above example, there are 6 new licenses, 15 upgrade licenses and 2 hardware licenses available for the Data Base 7.0. There are no additional licenses for the Data Base.

Placing the cursor on the intersection between the product row and type column displays an on-line help about the type of license corresponding to that cell.



The number of available licenses shown on this page is updated in real time with each code generation. However the credits for licenses will only become available after 24 hours the shipment.

7.3.1.5. Installed

The program displays the following table, which lists the clubs in which the licenses and the associated orders have been used.

Installed User: Stefano Gabellini									
Club Name	Id Chain	Id Club	Product	Type	Licenses	Purchase Order	Baan Code	Activation date	User
CORPUS	1	1	Data Base 7.0	Hardware	1	Hardware		15/01/2002	I.for I
Claudio	7373	1	Gate 1.1	New	1	111111	E0020V11-ITA	15/01/2002	S.Gabellini
Wellness	301	1	Trainer 5.0	Hardware	2	Hardware		14/01/2002	I.for I
Wellness	301	1	Trainer 4.0	Upgrade	1	139499	E611V4 - ITA	14/01/2002	I.for I
Wellness	301	1	Trainer 4.0	Add Upgrade	1	140230	E0000055	14/01/2002	I.for I

Figure 7.3-6

In the above table, each line corresponds to a generated code:

- **Club Name:** the name of the club where the licenses have been used;
- **IdChain, IdClub:** these are the unique club identifiers;
- **Product:** the product for which the codes have been generated;
- **Type:** the type of license used;
- **Licenses:** the number of licenses used;
- **Purchase order:** the purchase order code for the license;
- **Baan Code** this is the Baan product code (i.e. the code used for ordering the license);
- **Activation date:** the date when the license codes were generated;
- **User:** specifies the user who has used the licenses.

7.3.1.6. Available

The program displays the following table, which lists the type and number of licenses that are available.

Available Licenses User: Stefano Gabellini print						
BaanCode	Purchase Order	Order date	Product	Type	Licenses	Source
E0000055	140230	10/01/2001	Trainer 4.0	Add Upgrade	1	Baan
E0000055	142535	28/02/2001	Trainer 4.0	Add Upgrade	1	Baan
E0000055	142536	28/02/2001	Trainer 4.0	Add Upgrade	1	Baan
E0000055	142998	12/03/2001	Trainer 4.0	Add Upgrade	1	Baan
E0000055	144137	11/04/2001	Trainer 4.0	Add Upgrade	1	Baan
E0000055	145865	19/06/2001	Trainer 4.0	Add Upgrade	1	Baan

Figure 7.3-7

This page shows the list of licenses that have not yet been associated with an activation code. From this table it is possible to determine to which orders the available licenses in the balance are referred.

The meaning of the columns is the same as for the Shipped page.

7.3.2. CODES



Figure 7.3-8

Clicking on **Codes**, the following menu appears on the left of the page:

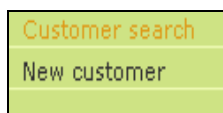


Figure 7.3-9

from here it is possible to choose:

- **Customer search:** search the already licensed installations and subsequently access the license manager page;
- **New customer:** enter new customers.

7.3.2.1. Customer search

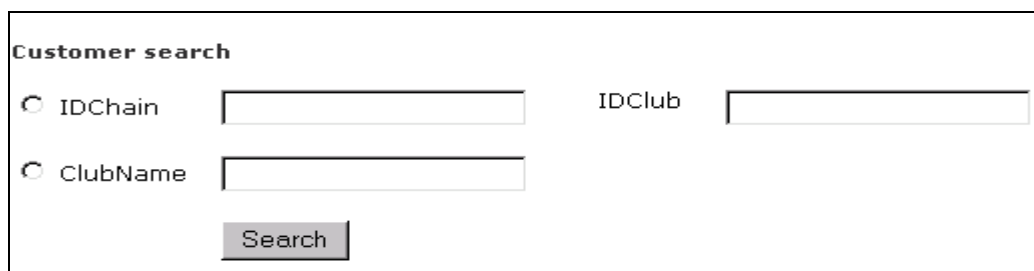


Figure 7.3-10

The search can be conducted in two ways: either by entering the IdChain and Id Club identifiers associated with the Club, or by entering a part of the club name.

In the first case, select the top option button (next to IdChain/IdClub), enter the search values in the IdChain and IdClub fields and click the **Search** button: if a club matching those values is found, the program directly invokes the *License* page which shows all the licenses assigned to that club (see Figure 7.3-13).

In the second case, select the lower option button (ClubName), and in the ClubName field enter either a part of or the entire club name and click on Search: the program will show a list of all the installation whose ClubName field contains the string used as a search key.

Club list User: Stefano Gabellini print				
ClubName	City	IdChain	IdClub	
CORPUS	Perugia	1	1	View
Wellness Club	Gambettola	1	2	View
Champions Club	Cesena	14	1	View
S.G. "ROMEO NERI" Srl	Rimini (RN)	15	1	View

Figure 7.3-11

To select the desired customer, click on the corresponding **View** button. This calls up the *License* page for the club, as described below.

7.3.2.2. New customer

Each club is uniquely identified, at the global level, by an IdChain and IdClub code. The first identifies the chain and the second identifies the Club within the chain. The value of the IdChain code depends on the country in which the product is installed.

In the case of a new customer, it is necessary to fill out the fields in the form shown below:

New customer User: Stefano Gabellini			
Id Chain		Id Club	
Name		Address	
Zip code		City	
Contact		E-mail	
Tel		Fax	
IdCustomer		Country	italy
			Send

Figure 7.3-12



WARNING:

- All the fields on the form are required and must be filled;
- The IdCustomer field is the client identification code used by the branch/distributor. If the Baan system is used, this will be the same as the Baan code;
- If the customer does not have an e-mail address, enter the e-mail of the branch/distributor.

7.3.2.3. Licenses

Licenses User: **Gabriele Morri**

Customer name: **SPORT IS LIFE Badia Polesine (Ro)** IdChain: **23** IdClub: **1**

Club Name	IdServer	Product	License	Option	Activation system	Code 1	Code 2
SPORT IS LIFE	0	Data Base 7.0	1		WScCoGen	14876324	1107636769
SPORT IS LIFE	39853	Expert 4.0	1		WScCoGen	13685840	1109794977
SPORT IS LIFE	39853	Trainer 4.0	1		WScCoGen	13857331	1377185953

Figure 7.3-13

The Licenses page displays, for the previously selected club, the list of licensed products, the number of activated licenses, any options selected for the software functions, and the activation codes. There are 2 buttons in this window:

- **Add:** calls up the code generation/management page.
- **History:** displays all the licenses used for the previously selected club.

7.3.2.4. Code generator

Code generator User: **Gabriele Morri**

License		Customer	
Product	Data Base 7.0	IdCustomer	c04040
Type	New	Name	SPORT IS LIFE
Option	<none>	Address	via 24 Maggio 427
Activation System	Licensing System 1.0 - From Excite	Zip code	45021
Total Number of Licenses	1	City	Badia Polesine (Ro)
	Already used: 1	Contact	Nicola
ClubName	SPORT IS LIFE	Tel.	0425 52851
Time	Unlimited	Fax	
Purchased License	161673 - E075V4 (1)	E-mail	service@technogym.com
		Modify	

License generator		
Generate	Code 1	14876324
	Code 2	1107636769
Delete all licenses		
Delete	All licenses of this product will be deleted	

Figure 7.3-14

This page is used for:

- **Entering new licenses for products that have not yet been licensed:**
 - Select the product from the Product drop-down menu;
 - Specify the type of activation (see License account). The type of activation must correspond to the types of licensed purchased: choose New if a new license has been purchased, and choose Upgrade if the license purchased for that club is an upgrade.
 - If the option field appears, it is possible to specify an operating mode for the software whose codes are being generated. The selected option must be the same one chosen during the software setup. e.g. to use the Smartcard instead of the TGS key, the Smartcard option must be selected during installation of the Data Base, and the activation codes must be generated specifying Smartcard in the option combo box.
 - Specify the Activation System. You can choose between “Standard Activation System” and “Licensing System 1.0”. The first is identified by the word “WsCogen”, the second by “Licensing System 1.0”. The “Standard Activation System” must be used for versions up to 4.0.1036 included, the “Licensing System 1.0” from version 4.0.2026.
 - In the License Number field, enter the updated total number of licenses for the selected product. If there was previously one license, and the total number of licenses must now be two, then it is necessary to enter the value 2 in this field; however only one License will be deducted from the *Licenses account*.
 - In the ClubName field, enter the name of the club used in the application. In the case of a single data base this value must be the same for all the applications.
 - In the IdServer field, enter the value returned by GetId or by the SetUp procedure during installation, or when the application is started for the first time.
- **Adding licenses for already licensed products:** in this case, on selecting the product, the program shows the current number of licenses, which can be modified according to the user’s needs.
- **Reducing the number of licenses used:** on selecting an already licensed product, it is possible to reduce the number of licenses for that product by simply modifying the License number field. This operation will not restore the licenses already used.
- **Deleting all the licenses for a given product:** if a product is no longer being used, pressing the **Delete** button cancels all the licenses for that product. This operation will not restore the licenses already used.
- **Associating the licenses that are being generated to their purchase orders:** The association is made using the **Purchase order** field which makes it possible to select one of the orders that have been shipped. **It is up to whoever generates the license to associate the correct purchase order with the license that is being generated.**

In order to generate an activation code for licenses that are referred to different orders, it is necessary to repeat the code generation procedure as many times as there are orders. The number of licenses that are used each time must be covered by the associated order.

Example: generation of licenses for 2 Wellness Trainers.

In this case, two different types of licenses are required, one New Base license (corresponding to the code E011V4) and one Add New license (corresponding to the code E077V4).

The activation codes must be generated as follows:

- 1- first generate the codes for a Wellness Trainer, specifying New in the Type field and associating the license E011V4 to these activation codes.
- 2- then return to the code generation page and select Add New for the Type field, enter the value 2 in the Total Number of Licenses field and associate the license E077V4 to these activation codes. In this case, because there is already 1 Wellness Trainer license, only the additional license will be deducted from the Balance table.
- 3- the activation codes to be applied are only the last ones generated, corresponding to a total of 2 Wellness Trainer licenses.

Example: it is necessary to generate licenses for 5 Wellness Experts, and these have been ordered with 2 orders: 3 Wellness Experts in the first order and 2 Wellness Experts in the second order.

When generating the activation codes it is necessary to:

- 1- first, generate the codes for the 3 Wellness Experts and associate the first order to these activation codes.
 - 2- next, return to the code generation page and enter the value 5 in the License number field. In this case, because there are already 3 Wellness Expert licenses, only two new licenses will be deducted from the Balance table, and the license that is generated should be associated to the second order which contains the two licenses necessary for reaching a total of 5 licenses.
 - 3- the activation codes to be applied are the last ones generated, which correspond to a total of 5 Wellness Expert licenses.
- **Modifying the details of the club** in which the products are installed.
 - **Generating activation codes because the server Hardware has been changed:** in this case, it is necessary to send a request to Technogym, specifying the installation for which the codes need to be regenerated, and enclosing a report of the hardware technician who will carry out the operation. Subsequently, the Hardware type credits for the generation of the codes will be credited on the Licenses account. For each product, there are 10 hardware licenses available which can be used when it is not possible to contact Technogym. In this case, in order to restore the hardware licenses used, the report will have to be sent subsequently to their use.

The codes are generated by clicking the **Generate** button, and only after once again confirming the number and type of license being used and the total number of licenses that will be assigned to the club.



The Purchase License combo box only displays the licenses which can be used for the code that is being generated, and shows the number of such licenses that are still available in brackets.

7.3.2.5. History

The program displays the following table, which logs all the license code generation activities.

Licenses history User: Stefano Gabellini					
Customer name: SPORT IS LIFE Badia Polesine (Ro) IdChain: 23 IdClub: 1					
Product	Licenses	Type	Generation Date	Purchase License	
Expert 4.0	1	Hardware	29/03/2001	Hardware - (7) ▾	update
Trainer 4.0	1	Hardware	29/03/2001	Hardware - (7) ▾	update
Expert 4.0	1	Upgrade	01/03/2001	140281 - E612V4 -ITA (0) ▾	update
Trainer 4.0	1	Upgrade	01/03/2001	140281 - E611V4 -ITA (0) ▾	update
Data Base 7.0	1	Upgrade	01/03/2001	140281 - E675V4 (0) ▾	update
					Back

Figure 7.3-15

Each line corresponds to a single generated license, to which the license purchase order is associated. In the case of errors in assigning the association, on this page it is possible to modify the number of the purchase order associated with the license.

7.3.2.6. Details

To modify the customer details entered as described in paragraph 7.3.2.2 New customer, click the **Modify** key in Figure 7.3-14: the following window appears:

User: Stefano Gabellini	
Customer	
IdCustomer	Codice Baan
Name	Wellness Club TRE
Address	Via Colombarone
Zip code	47032
City	Bertinoro
Country	italy ▼
Contact	Mr. Bragagni
Tel	++3934232424
Fax	
E-mail	ss@tin.it
Send	

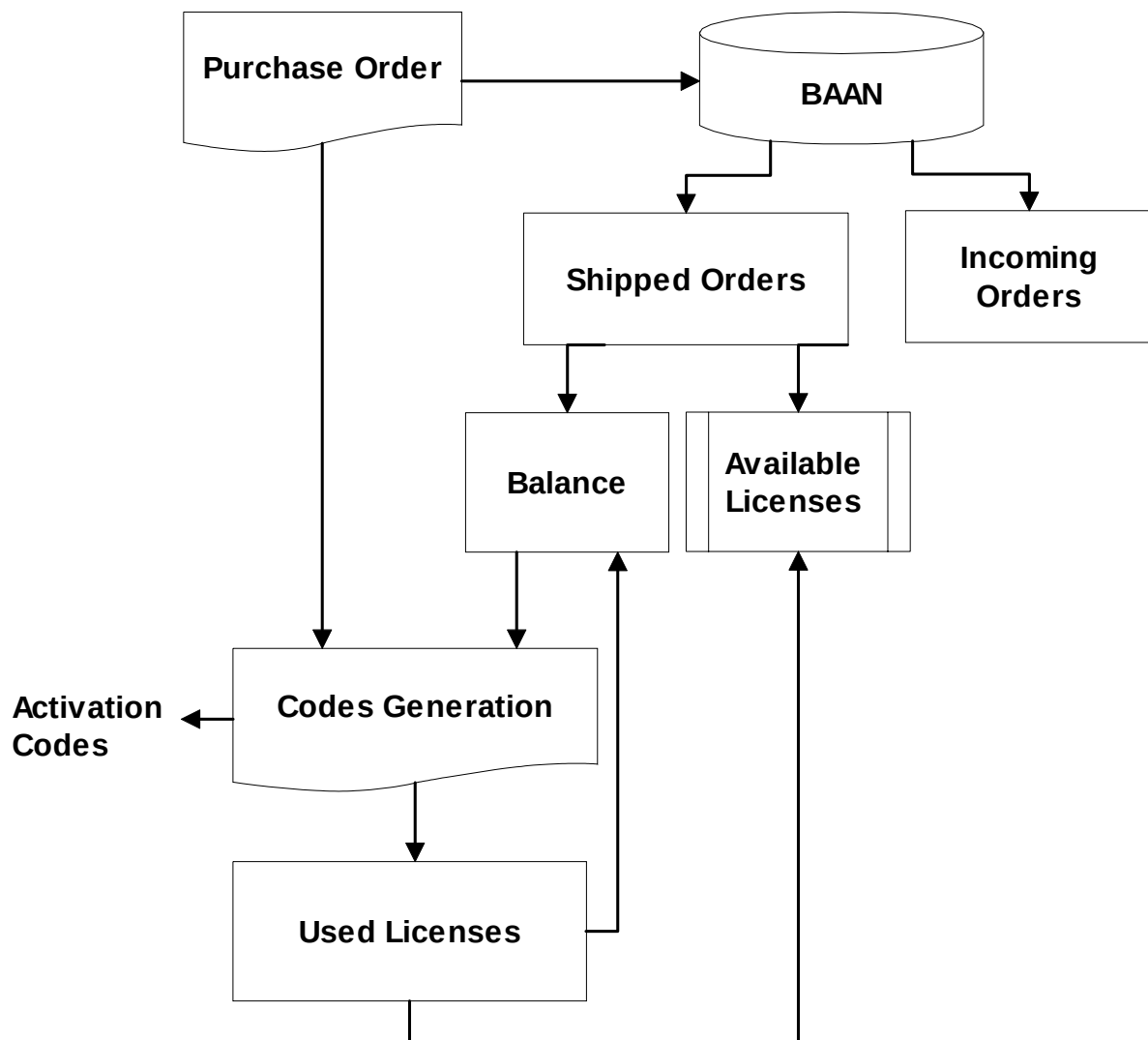
Figure 7.3-16

Click **Send** to confirm the changes made to the customer details.

7.3.3. HOW TO USE THE PROGRAM

Before generating an activation code, the program requires the user to have ordered the necessary licenses. The tables below provide some concrete examples to help you determine which license codes to order and what types of code generations to use.

7.3.3.1. Flow



7.3.3.2. Order codes

CODE	LICENSE
E075V4	database license 4.0
E011V4	Wellness Trainer 4.0 license
E012V4	Wellness Expert 4.0 license
E675V4	database upgrade license
E611V4	Wellness Trainer upgrade license
E612V4	Wellness Expert upgrade license
E077V4	additional Wellness Trainer license
E00085V4	additional Wellness Expert license
E0000055	additional Wellness Trainer upgrade license
E00090V4	additional Wellness Expert upgrade license
E010V4	Wellness Expert kiosk 4.0
E00070V4	Wellness Expert no printer
E00100V4-GIA	Wellness Expert kiosk 4.0 only Japanese language
E00060V4	Addendum Wellness System Server 4.0

7.3.3.3. What to order and how to generate the codes

If the customer has	and wants:	Order these codes:	And generate the activation codes as follows:
Nothing	Version 4.0: - 1 Trainer - 1 Expert	- E075V4 - E011V4 - E010V4	1 database new 1 Wellness Trainer new 1 Wellness Expert new
	Version 4.0: - 2 Trainers - 2 Experts	- E075V4 - E011V4 - E077V4 2 E010V4	1 database new 2 Wellness Trainer new 2 Wellness Expert new
Version 4.0: - 1 Trainer; - 1 Expert.	1 additional Trainer station	E077V4	1 Wellness Trainer new (generate codes for 2 licenses: only 1 will be deducted because 1 was already associated with the preceding installation)
	1 additional Expert station	E010V4	1 Wellness Expert new (generate codes for 2 licenses: only 1 will be deducted because 1 was already associated with the preceding installation)

If the customer has	and wants:	Order these codes:	Generate the activation codes as follows:
Version 3.0: - 1 Trainer; - 1 Expert.	Upgrade to ver. 4.0	• E675V4 • E611V4 • E612V4	• 1 database upgrade • 1 Wellness Trainer upgrade • 1 Wellness Expert upgrade
	Upgrade to ver. 4.0 adding: - 1 Trainer	• E675V4 • E611V4 • E612V4 • E077V4	First with: • 1 database upgrade • 1 Wellness Trainer upgrade • 1 Wellness Expert upgrade Then: • 1 Wellness Trainer new
	Upgrade to ver. 4.0 adding: - 1 Expert	• E675V4 • E611V4 • E612V4 • E010V4	First with: • 1 database upgrade • 1 Wellness Trainer upgrade • 1 Wellness Expert upgrade Then: • 1 Wellness Expert new
Version 3.0: - 2 Trainers; - 2 Experts.	Upgrade to ver. 4.0	• E675V4 • E611V4 • E612V4 • E0000055 • E00090V4	• 1 database upgrade • 2 Wellness Trainer upgrade • 2 Wellness Expert upgrade
Version 4.0	reinstall the data server PC due to problems or HW upgrade	nothing	Request the activation of a number of HW type licenses equal to those previously purchased by the club. (The generation of HW type licenses is possible only if the customer already had new or upgrade type licenses assigned)

8. MISCELLANEOUS

8.1. COMPATIBILITY

	Wellness System “Smart Card”	
	Trainer	Expert
Version	4.0. 1037 (setup build 4.0.1040)	4.0. 1037 (setup build 4.0.1038)
Supported language	• Dutch • French • Japanese • UK English • US English • Italian • Portuguese • Spanish • German	
Supported operating system	• Microsoft Windows 95 • Microsoft Windows 98	
	• Microsoft Windows Me • Microsoft Windows NT • Microsoft Windows 2000 • Microsoft Windows XT (theme classic)	
Compatibility	• Wellness Expert ver. 4.0.1037 or higher • Wellness Trainer ver. 4.0.1037 or higher	
	• Feedback Point ver. 4.0.20 or higher; • Power Control for Isotonic Line 2.1.32 or higher; • Power Control for Selection Line 3.0.18 or higher; • Biostrength line 1.1.68 or higher; • XTPRO Line 4.02.01 or higher; • Rotex XT 3.0.25 or higher; • other cardio any version.	

	Wellness System “Excite”	
	Trainer	Expert
Version	4.0. 2026 (setup build 4.0.2028)	4.0. 2028 (setup build 4.0.2028)
Supported language	• Dutch • French • Japanese • UK English • US English • Italian • Portuguese • Spanish • German	
Supported operating system	• Microsoft Windows 95 • Microsoft Windows 98 • Microsoft Windows 2000 • Microsoft Windows XT (theme classic)	
	• Microsoft Windows Me • Microsoft Windows NT	
Compatibility	• Wellness Expert ver. 4.0.2028 or higher • Wellness Trainer ver. 4.0.2026 or higher	
	• Feedback Point ver. 4.0.20 or higher without some Selection equipments and without Excite equipments. • Feedback Point ver. 5.0.16 or higher without Excite equipments. • Feedback Point ver. 5.6.01 with Excite equipments. • Power Control for Isotonic Line 2.1.32 or higher; • Power Control for Selection Line 3.0.18 or higher; • Biostrength line 1.1.68 or higher; • XTPRO Line 4.02.01 or higher; • Rotex XT 3.0.25 or higher; • other cardio any version.	

	Wellness System “Compatibility”	
	Trainer	Expert
Version	4.0. 4011 (setup build 4.0.4011)	4.0. 4011 (setup build 4.0.4011)
Supported language	• Dutch • French • Japanese • UK English • US English • Italian • Portuguese • Spanish • German	
Supported operating system	• Microsoft Windows 95 • Microsoft Windows 98 • Microsoft Windows 2000 • Microsoft Windows XT (theme classic)	
	• Microsoft Windows Me • Microsoft Windows NT	
Compatibility	• Wellness Expert ver. 4.0.4011 or higher • Wellness Trainer ver. 4.0.4011 or higher	
	• Feedback Point ver. 4.0.20 or higher without some Selection equipments and without Excite equipments. • Feedback Point ver. 5.0.16 or higher without Excite equipments. • Feedback Point ver. 5.6.01 with Excite equipments. • Power Control for Isotonic Line 2.1.32 or higher; • Power Control for Selection Line 3.0.18 or higher; • Biostrength line 1.1.68 or higher; • XTPRO Line 4.02.01 or higher; • Rotex XT 3.0.25 or higher; • other cardio any version.	

8.2. DATA BACKUP

During installation, the customer must be instructed on how to perform daily backups of the database. The data must be saved on a storage medium different from the HD of the Server PC on which Sybase Adaptative Server Anywhere is installed. Therefore, it is possible to use the disk of another PC on the network, however we recommend using a backup unit that can store the data on a tape cartridge.

It is sufficient to use 3 tape cartridges in rotation, so as to always have available the backup data for:

- yesterday;
- the day before yesterday;
- 3 days ago.

The purpose of this is obviously to minimize the risk of data loss resulting from malfunctions of the hard disks and/or tape cartridges.

Depending on the operating system version installed on the PC which is running the database, the backup can be performed in different ways.

On PCs running Windows 95-98 or Millenium Edition (Me) it is recommended to use the Wellness Trainer procedure, following the on-line help instructions.

On servers running advanced operating systems such as Windows NT or 2000 it is possible to use the scheduler to automatically perform backups. For those interested, we have the necessary script files available.

8.3. AUTOMATIC BACKUP

“WS Task Scheduler” is available starting from version 4.0.1040 of the Wellness Trainer. This tool, which can be accessed from **“Start”, “Programs”, “Wellness System Data Base”** menu, allows the scheduling of activities such as the automatic backup.

8.3.1. WS TASK SCHEDULER

The automatic backup can be configured using the **“TGS System Backup”** which is also found in the **“Wellness System Data Base”** folder. When this tool is started the following window appears:

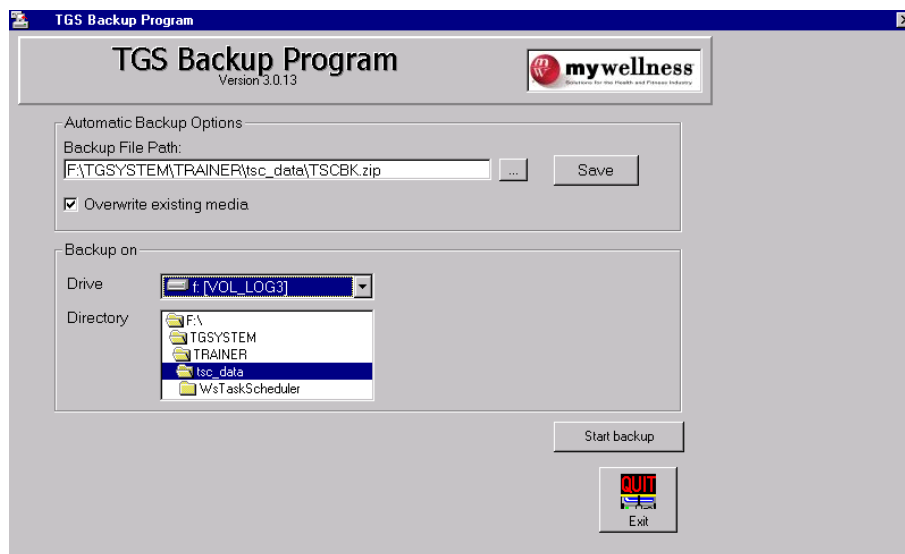


Figure 8.3-1

from here it is possible to:

- define the **“Backup File Path”** where the backup file will be saved;
- specify whether the system should use a single backup file (In this case, check **“Overwrite existing media”**) or create a different file for each backup.

NOTE: It is recommended to create a **WSBck** folder on a different drive from the one where the database is installed, and then edit the **“Backup File Path”** to specify that folder. In this way, if the disk on which the database is installed is damaged, the backup copy will not be lost. The folder can also be created on the disk of another computer that has been previously mapped as a local disk. In the latter case, the network connection will need to be re-established whenever the Server is restarted, and the PC on which the disk is physically located must be switched on and accessible during the backup.

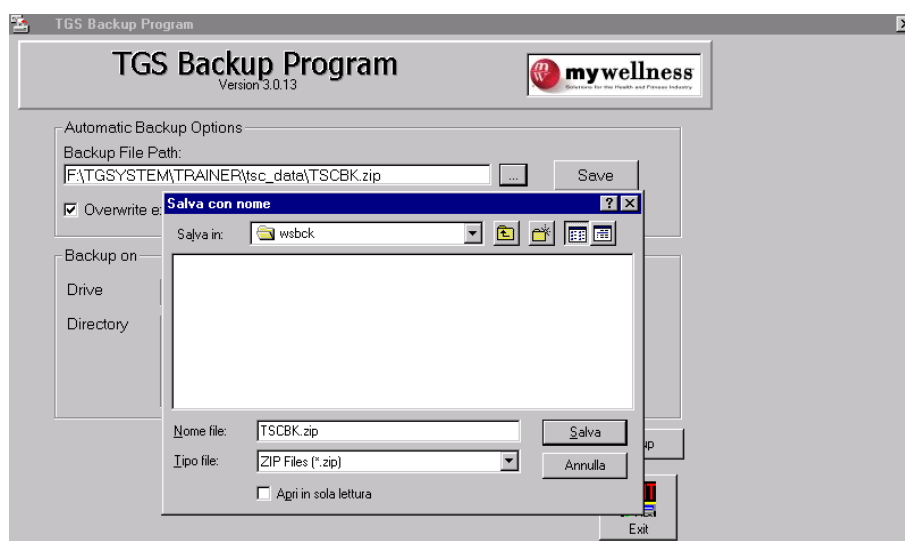


Figure 8.3-2

After selecting the path in which to place the TSCBK.zip backup file, click on **“Save”**. The following window will then appear:

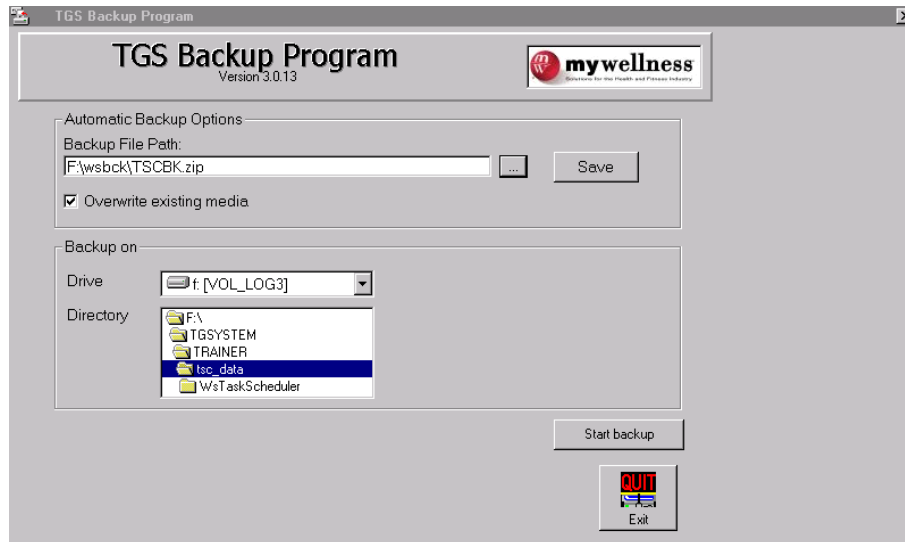


Figure 8.3-3

Click the **“Save”** button to save the changes, and then the **“Exit”** button to exit. At this point the backup must be scheduled using the **“WS Task Scheduler”**, which is found in the **“Wellness System Data Base”** folder. When this tool is started the following window appears:

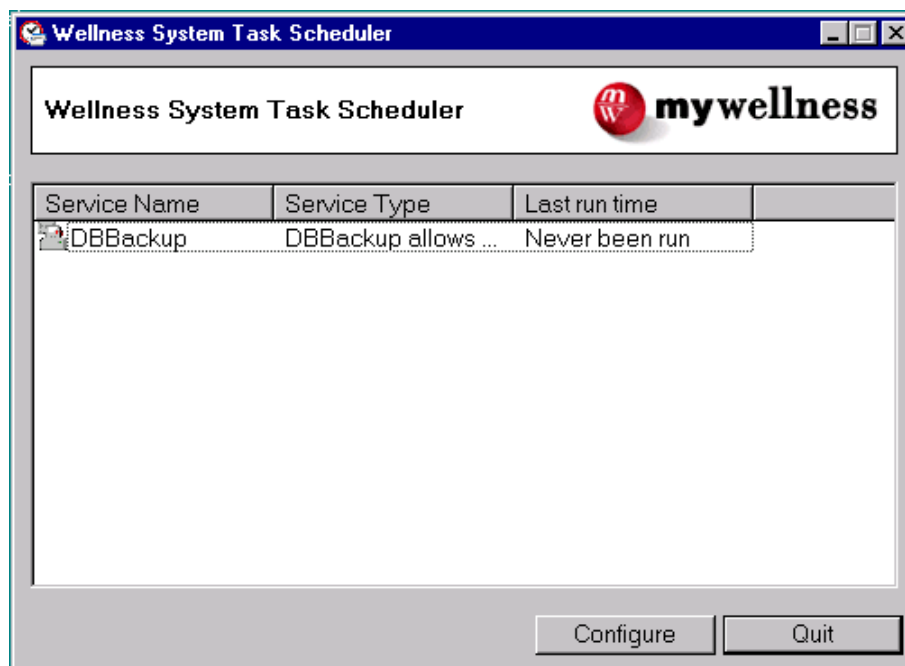


Figure 8.3-4

Select the **DBBackup** Service and click the **“Configure”** button. The following window will then appear:

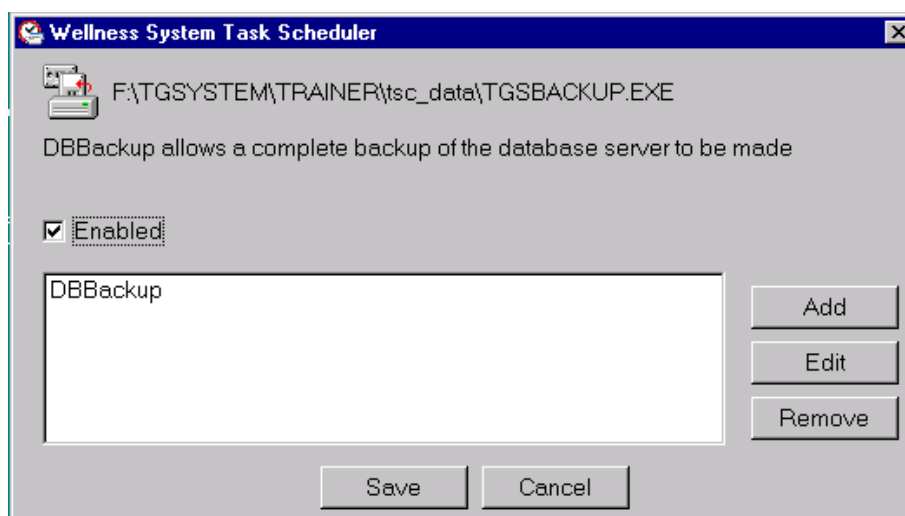


Figure 8.3-5

Here it is possible to enable the Task with the **“Enabled”** check box, and change the Task configuration by clicking the **“Edit”** button. The following window will then appear:

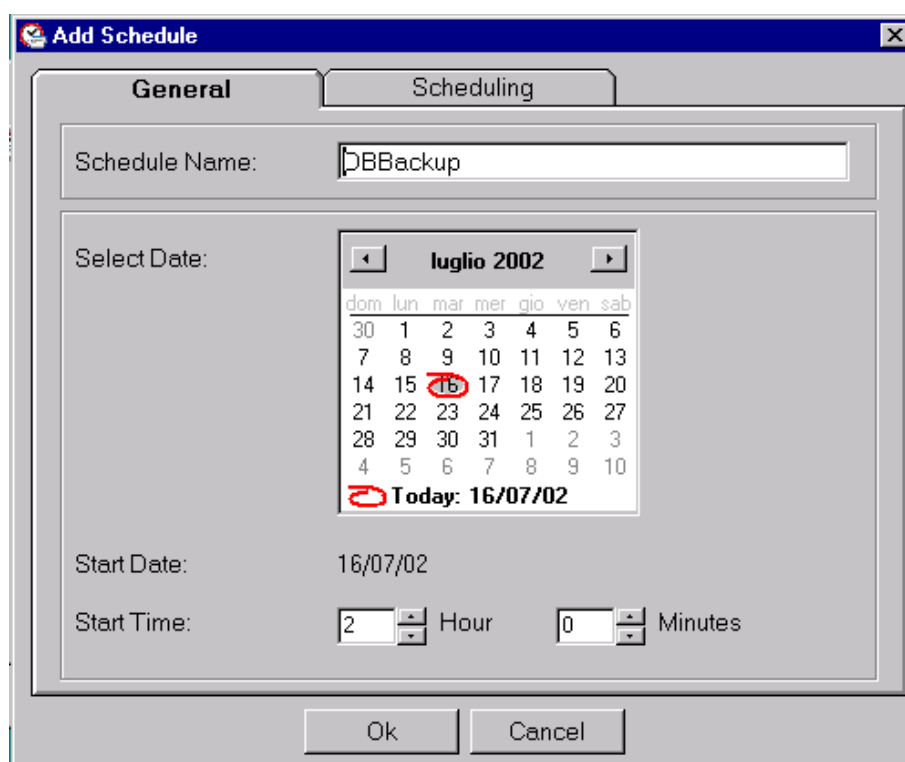


Figure 8.3-6

Using the **General** and **Scheduling** tabs shown in the figure below it is possible to set up when the backup is performed.

NOTE: It is recommended to choose a time during which the Wellness System is not in use and the server is switched on.

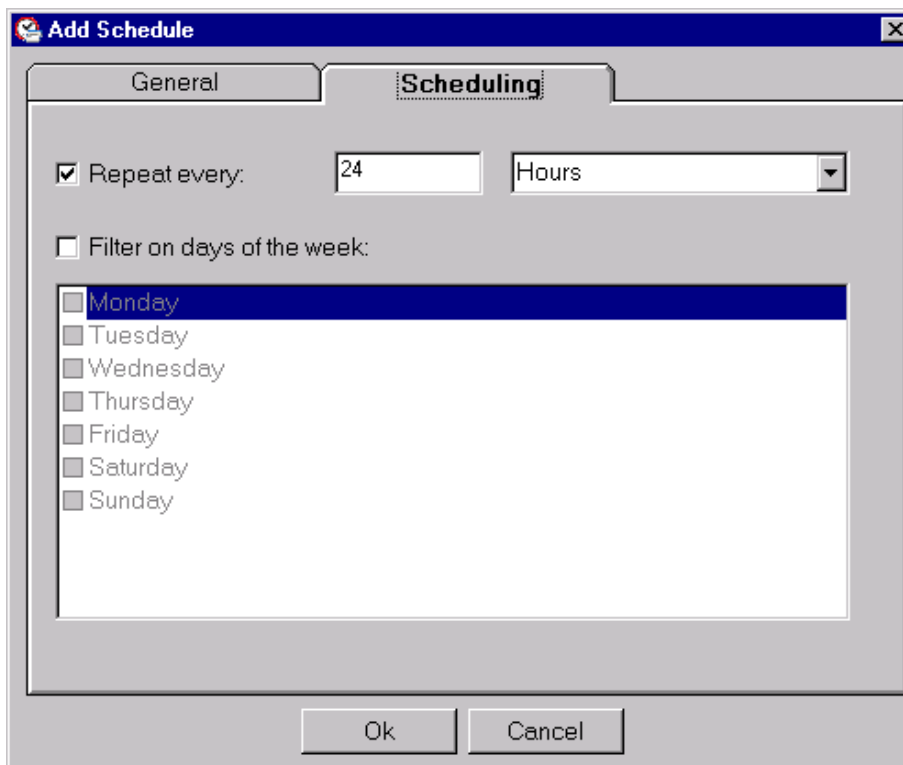


Figure 8.3-7

Click **“Ok”** in this window and **“Save”** in the preceding window to save all the changes made.

8.3.2. VERIFYING AND SAVING BACKUP FILES ON A MAGNETIC STORAGE MEDIUM

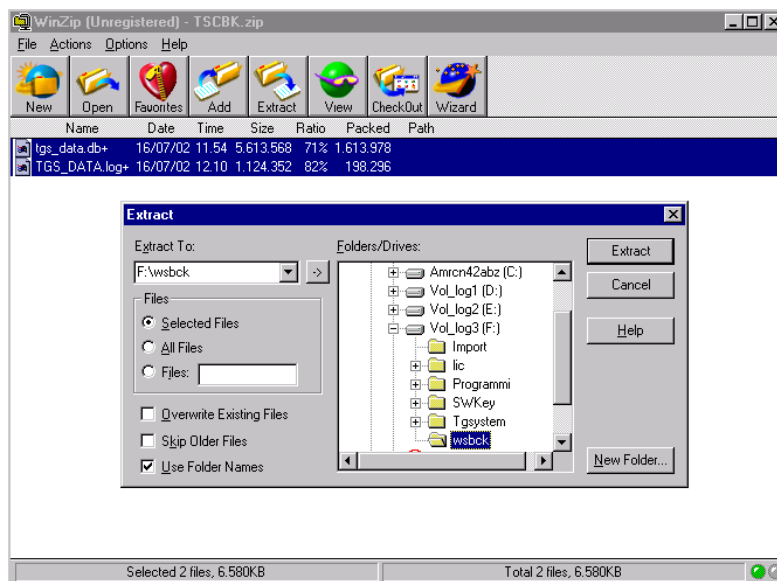
After performing the first backup, the backup file TSCBK.zip will be placed in the **“Backup File Path”** (i.e. F:\WSBck). This file, which is the zipped copy of the database files TGS_DATA.db and TGS_DATA.log, must be copied to a different storage medium from the hard disk where the data base resides. This can be done using various devices, such as Iomega Jazz or Travant or DAT backup units having adequate capacity for the file size, and the backup tools provided with them for scheduling (**at a different time from the creation of the TSCBK.zip file, these activities must not overlap**) the copying of the “Backup File Path” to the storage medium.

The entire backup process should be verified at least once a month, checking that:

- A. The file TSCBK.zip has been created in the **“Backup File Path”** (i.e. F:\WSBck) and that the creation date matches the date of the last backup
- B. The file TSCBK.zip can be unzipped, i.e. that it is not corrupted, and that the size and date of the TGS_DATA.db and TGS_DATA.log files are consistent with those of the files being used by the data base.

NOTE: By default, the files in use are in the C:\tgssystem\trainer\tsc_data folder. The password for opening the zip file is "tgs".

In the following figure, winzip is being used to extract the files contained in the TSCBK.zip backup file.

**Figure 8.3-8**

The TSCBK.zip file can be recovered from the backup storage medium. This check depends closely on the type of backup unit that is being used. The recovered file should be verified by proceeding as described in point B.

8.4. PERSONALIZING THE WELLNESS EXPERT STANDBY WINDOW

The standby window of the Wellness Expert contains 2 web pages: one for the center section which shows a video clip, and another for the lower section. These 2 web pages load 2 files that are found in the folder C:\TGSYSTEM\WEXPERT\QTIME and are called:

- **Sigla.html** is the video clip for the large upper section measuring 616 x 444 pixel;
- **Image.html** is the image for the small lower section measuring 616 x 151 pixel.

The Club can personalize these parts of the stand by screen with its own web pages. These must be copied into the folder C:\TGSYSTEM\WEXPERT\CLUB_HTML. Copy the following files into the folder CLUB_HTML:

- **Top.html (o .htm)** to personalize the large upper frame;
- **Bottom.html (o .htm)** to personalize the small lower frame (default image).

It is also possible to enter only one of the two files in CLUB_HTML, if the customer wishes to personalize only one of the two sections.

8.5. CONFIGURING THE E-MAIL SERVICE ON WELLNESS TRAINER UP TO VERSION 4.0.6016

To enable the electronic mail service on the Wellness Trainer, it is necessary to install and configure a MAPI compatible Mail system such as Outlook on the PC.

The simplest solution is to install a POP internet connection on a PC, to request an e-mail account and then opportunely configure the electronic mail service: the Wellness Trainer will use the existing configuration on the PC to send e-mail (as sender, it sets the user connected to the PC, i.e. the user configured in the electronic mail account, and not the user who logged onto the SW and sent the e-mail).

In addition, it is necessary to correctly configure the SW:

- On the database, the Value field of the Tgs_system table for the EMAIL key must be set to Y. Connect to the database via isql and launch the following command:

```
update Tgs_system set value='Y' where data_type = 'EMAIL';  
commit;
```

- On the tgs.ini file there are 2 parameters that need to be configured:
 - **EmailEnabled** if YES enables use of the e-mail service;
 - **EmailReading** if YES allows all incoming messages in the configured mailbox to be read on the Wellness Trainer.



ATTENTION: Messages can be sent both over the internal network and via e-mail:

- **internal network:** the sender is the operator who sent the message, and the recipient reads it on the Wellness Expert;
- **e-mail:** the sender is e-mail account configured on the electronic mail service and the recipient reads the message from his own e-mail address, configured in his own client card. The Reports can also be sent by e-mail.

8.6. MANAGING THE LICENSE FILE



This procedure is valid up to Trainer version 4.0.91. The activation codes used by this versions are the ones identified with activation type “WsCogen”.

In the interests of uniformity of installation, and in order to carry out the operations that will be described below, please proceed as follows:

1. Before starting the installation, on the machine where you are planning to install the Server database, create a folder named “sharedpath” which is shared and visible to all the client PCs on which you will be installing the Wellness Trainer SW, and to all the Wellness Experts. Under this folder, create another 2 folders respectively named “new” and “save”;
2. At the end of the Server installation, you will find 2 files in the “sharedpath” folder:
 - **trainer.lf**: license file for the Wellness Trainer SW;
 - **expert.lf**: license file for the Wellness Expert SW.

Copy them into the “new” folder: these are 2 clean license files in which no license code has yet been registered.

3. After having applied the registration codes, the 2 files “trainer.lf” and “expert.lf” will be modified to incorporate the license information. Copy them into the “save” folder: these are 2 registered license files.

In this way, you will have backup copies of both the clean and registered license files, which will be useful if:

8.6.1. THE LICENSE FILES ARE CORRUPT

The corresponding SW programs fail to start, giving the error “**License file not found**”: copy the .lf files that were previously saved in the “save” folder into the “sharedpath” folder, and the SW will resume working correctly.

8.6.2. THE LICENSE FILES HAVE BEEN RESET

The corresponding SW programs fail to start, giving the error “**License file not found**”: copy the .lf files that were previously saved in the “save” folder into the “sharedpath” directory and the SW will resume working correctly.

8.6.3. YOU WANT TO UPGRADE THE SYSTEM BY INCREASING THE NUMBER OF CLIENTS

Copy the corresponding .lf file that was previously saved in the “new” folder into the “sharedpath” folder and start the program. The SW will open a window in which you can enter the new registration codes. After this, the SW will function correctly. In this case remember to save a copy of the new .lf file in the “save” folder.

This can be done using the getld.exe program as described in paragraph 8.9. “Changing the number of licenses up to version 4.0.1048.”.

8.6.4. THE LICENSE FILES AND THE SAVED FILES HAVE BEEN RESET

If the license files saved in the “new” folder are valid, copy them into the “sharedpath” folder and start the program. The SW will open a window in which you can enter the registration codes. After this, the SW will function correctly. In this case, remember to save the new .lf file in the “save” folder.

8.6.5. THE LICENSE FILES AND THOSE SAVED IN THE “SAVE” AND “NEW” DIRECTORIES HAVE ALL BEEN RESET

The file “trainer\eventmonitor\server.dat” in the SW installation folder is a clean license file. Make 2 copies of it in the “sharedpath” folder and rename them “trainer.lf” and “expert.lf”. These are clean files which you must then copy into the “new” folder. Start the programs: the SW will open a window in which you can enter the registration codes. After this, the SW will function correctly. In this case, remember to save the .lf files in the “save” folder.

8.6.6. MISALIGNMENT BETWEEN THE DATABASE AND LICENSE FILE DATA

In this case the SW programs in question fail to start with the error **“The license file data does not match the database”**. This can happen if the values in the database have been inadvertently changed, for example with update scripts. Copy the .lf files saved in the “new” folder into the “sharedpath” folder and start the programs. The SW will open a window in which you can enter the registration codes. After this, the SW will function correctly. In this case, remember to save the new .lf file in the “save” folder.

8.6.7. THE SW FAILS TO FIND THE LICENSE FILES

In this case the SW programs in question fail to start with the error **“Protection initialization failed: use DBConfig.exe to check that the path is correctly configured and that the specified path is accessible for read-write operations”**. This can happen if:

- the shared Sharedpath folder was not correctly configured as described in paragraph 6.2.2. Creating a shared folder: in this case, it is necessary to use the DBConfig.exe utility as described in paragraph 8.10. DBConfig.exe.
- there are problems on the network and the client PCs are unable to access the server: in this case, reinstate the correct functioning of the network.

8.6.8. RUN TIME ERROR 339 ON STARTING THE PROGRAM

If the program generates runtime error 339 when it is first started, then very probably the setup procedure failed to copy the following system file: SKCL.DLL. This happens whenever the installation is aborted by clicking the “Cancel” button, after having copied the program files.

To solve this problem, copy this file into the folder c:\windows\system without registering it. Remember that SKCL.DLL is the library used for license authentication, and that it is also installed by the Wellness Expert setup, again in the folder c:\windows\system.

8.7. MANAGING THE LICENSE FILES FROM 4.0.92 TO 4.0.1048



This procedure is valid starting from Trainer version 4.0.92 to the version 4.0.1048.

The license data is stored:

- in the data base, in the table tgs_system;
- in specific files for each product type:
 - **trainer.lf**: license files for Wellness Trainer SW;
 - **expert.lf**: license files for Wellness Expert SW.

In the .ini files of the Wellness Trainer and Wellness Expert there is a LocalLicPath parameter, under the [Options] heading, which manages the location of the license file. If the parameter is:

- LocalLicPath = Y the application searches for the license file locally;
- LocalLicPath = N the application searches for the license file on the network.

In the interests of uniformity of installation, and in order to carry out the operations that will be described subsequently, we recommend the following procedure:

- set this parameter to **Y**, so as to manage the license files locally, in the same folder as the executable file;
- create a “new” folder under the server’s “sharedpath” folder, which was created before running setup;
- make 2 copies of the file “server.dat”, found in the “trainer\eventmonitor” folder, copy them into the “new” folder created in the preceding step, and rename them trainer.lf and expert.lf. The file “server.dat” is a clean license file to which no licenses have yet been applied. In this way, you have created 2 clean copies of the Trainer and Expert license files that will be useful if:

8.7.1. THE LICENSE FILES ARE CORRUPTED OR RESET

In this case, the SW programs in question fail to start, with the error “**License file not found**”. This can happen as a result of network problems: copy the .lf files saved in the “new” folder into the folder of the application executable file: the programs will resume functioning correctly.

8.7.2. MISALIGNMENT BETWEEN THE DATABASE AND LICENSE FILE DATA

In this case the SW programs in question fail to start with the error “**The license file data does not match the database**”. This can happen if the values in the database have been inadvertently changed, for example with update scripts. Copy the .lf files saved in the “new” folder into the folder of the application executable and start the programs: they will resume functioning correctly.

8.7.3. THE SW FAILS TO FIND THE LICENSE FILES

In this case the SW programs in question fail to start with the error “**Protection initialization failed: use DBConfig.exe to check that the path is correctly configured and that the specified path is accessible for read-write operations**”. This can happen if:

- the shared Sharedpath folder was not correctly configured as described in paragraph 6.2.2. Creating a shared folder: in this case, it is necessary to use the DBConfig.exe utility as described in paragraph 8.10. DBConfig.exe.

- there are problems on the network and the client PCs are unable to access the server: in this case, reinstate the correct functioning of the network.

8.8. MANAGING THE LICENSE FILES WITH LICENSING SYSTEM 1.0



This procedure is valid starting from Trainer version 4.02026.

The activation codes used by the Wellness System are from this version those identified by the activation type “Licensing System 1.0”.

The license data are stored:

- in the data base, in the table dba.license;
- in specific files for each product type:
 - **trainer.lf**: license files for Wellness Trainer SW;
 - **expert.lf**: license files for Wellness Expert SW.

The utility Licenseconfig has been introduced with the version 4.0.2026.

In the interests of uniformity of installation, and in order to carry out the operations that will be described subsequently, we recommend the following procedure:

- create a “new” folder under the server’s “sharedpath” folder, which was created before running setup;
- make 2 copies of the file “config.dll”, found in the “trainer\tsc_exe” folder, copy them into the “new” folder created in the preceding step, and rename them trainer.lf and expert.lf. The file “config.dll” is a clean license file to which no licenses have yet been applied. In this way, you have created 2 clean copies of the Trainer and Expert license files that will be useful in the following situations.

8.8.1. THE LICENSE FILES ARE CORRUPTED OR RESET

In this case, the SW programs in question fail to start, with the error “**License file not found**”. This can happen as a result of network problems: copy the .lf files saved in the “new” folder into the folder of the application executable file: the programs will resume functioning correctly.

8.8.2. MISALIGNMENT BETWEEN THE DATABASE AND LICENSE FILE DATA

In this case the SW programs in question fail to start with the error “**The license file data does not match the database**”. This can happen if the values in the database have been inadvertently changed, for example with update scripts. Copy the .lf files saved in the “new” folder into the folder of the application executable and start the programs: they will resume functioning correctly.

8.8.3. THE SW FAILS TO FIND THE LICENSE FILES

In this case the SW programs in question fail to start with the error “**Protection initialization failed: check that the path is correctly configured and that the specified path is accessible for read-write operations**”. This can happen if:

- the shared Sharedpath folder was not correctly configured during the set up. Creating a shared folder: in this case, it is necessary to use Licenseconfig.exe utility.
- there are problems on the network and the client PCs are unable to access the server: in this case, reinstate the correct functioning of the network.

8.8.4. RUN TIME ERROR 339 ON STARTING THE PROGRAM

If the program generates runtime error 339 when it is first started, then very probably the setup procedure failed to copy the following system file: SKCL.DLL. This happens whenever the installation is aborted by clicking the “Cancel” button, after having copied the program files.

To solve this problem, copy this file into the folder c:\windows\system without registering it. Remember that SKCL.DLL is the library used for license authentication, and that it is also installed by the Wellness Expert setup, again in the folder c:\windows\system.

8.9. CHANGING THE NUMBER OF LICENSES UP TO VERSION 4.0.1048.

To change the number of licenses, exit from all the Trainer and Expert program and use the SW `getId.exe`, launching it with the option `/addlic` from the command line of the client PC where the SW to upgrade runs, as illustrated below:

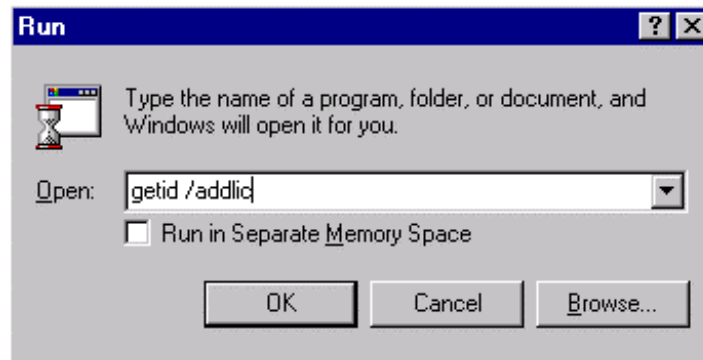


Figure 8.9-1

The system will prompt for the license file to be modified. After choosing the file corresponding to the desired program, the system allows the user to reassign the activation codes, which will then change the number of licenses.

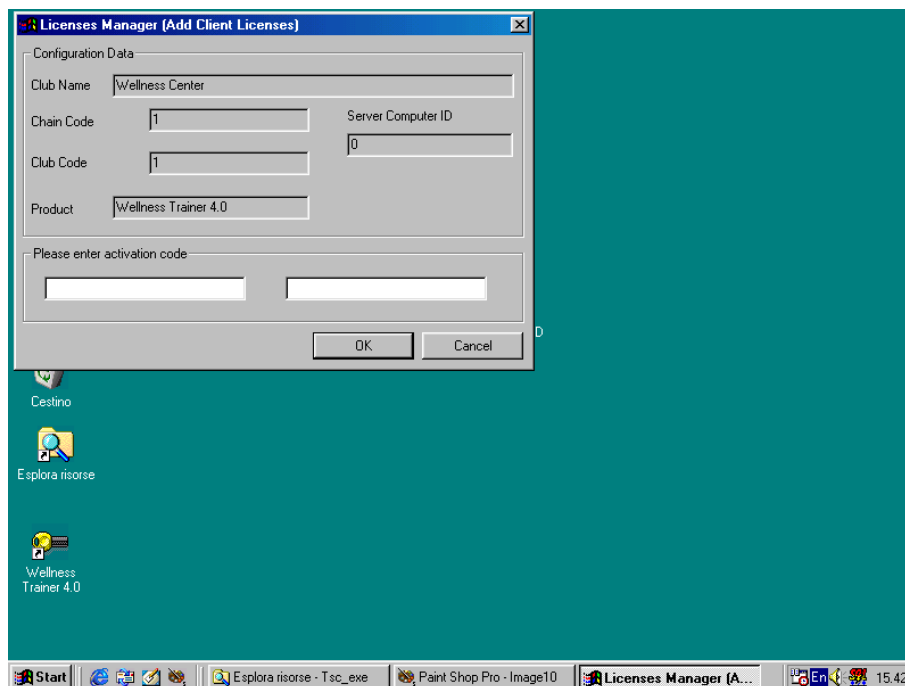


Figure 8.9-2

Then launch the program, which licenses has been updated, starting from the PC where you are working and then from the others. That is because it is necessary to update the database data first.

8.10. DBCONFIG.EXE UP TO VERSION 4.0.1048

The utility DBConfig.exe, found in the folder c:\tgssystem\trainer\tsc_exe, is used for changing the path of the shared folder which contains the licenses. When this program is launched, the following dialog box appears:

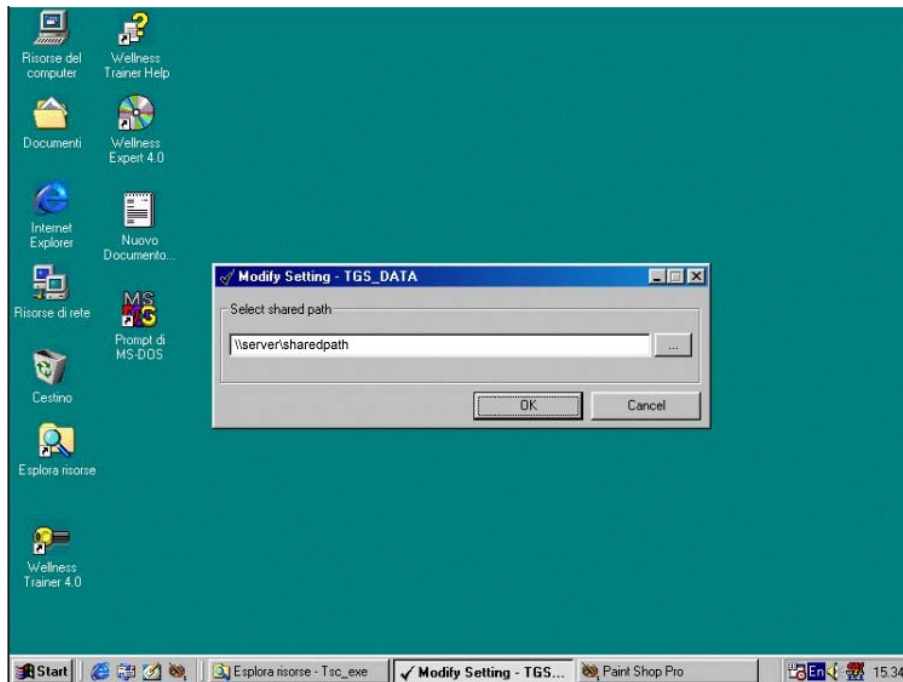


Figure 8.10-1

prompting the user for the new path of the shared folder.

8.11. LICENSECONFIG.EXE (FROM VERSION 4.0.2026)

From Wellness Trainer version 4.0.2026 and Wellness Expert version 4.0.2028, the utility LicensesConfig.exe has been introduced. This utility can be found in the folders tsc_exe and con_exe of the Expert and of the Trainer. It can be used to insert the activation codes or for editing the shared path. Please note that the shared path can be different for the Trainers and for the Experts. This utility substitutes the dbconfig.exe and the getid.exe, in the function of changing the number of licenses. The getid.exe is still present on the installation CD of the Wellness Trainer because it can be used to retrieve the “server Id” before the installation.

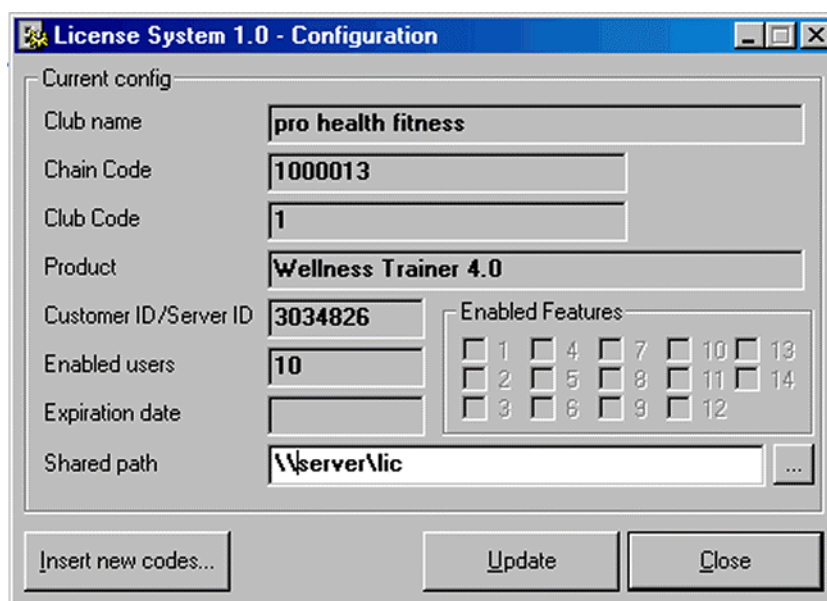


Figure 8.11-1

8.12. NEW EQUIPMENT

To update the Wellness System to include new Technogym machines released subsequently to the installed software version, it is necessary to use the **New Equipment Setup** procedure.



Before adding new machines, check the compatibility of all the components of the WS.

This setup must be carried out after having installed the Wellness System on all the Wellness Expert or Wellness Trainer clients and on the server where the Data Base resides.

It is possible to perform a single setup that installs all the available machines, or to perform a separate setup for each machine.

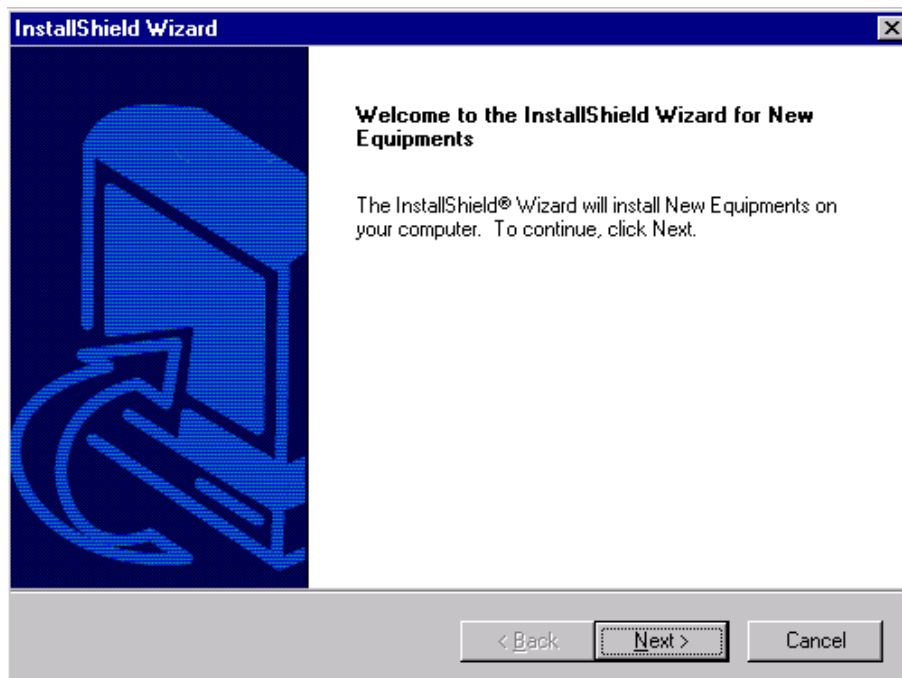


Figure 8.12-1

Clicking next causes the following dialog to appear

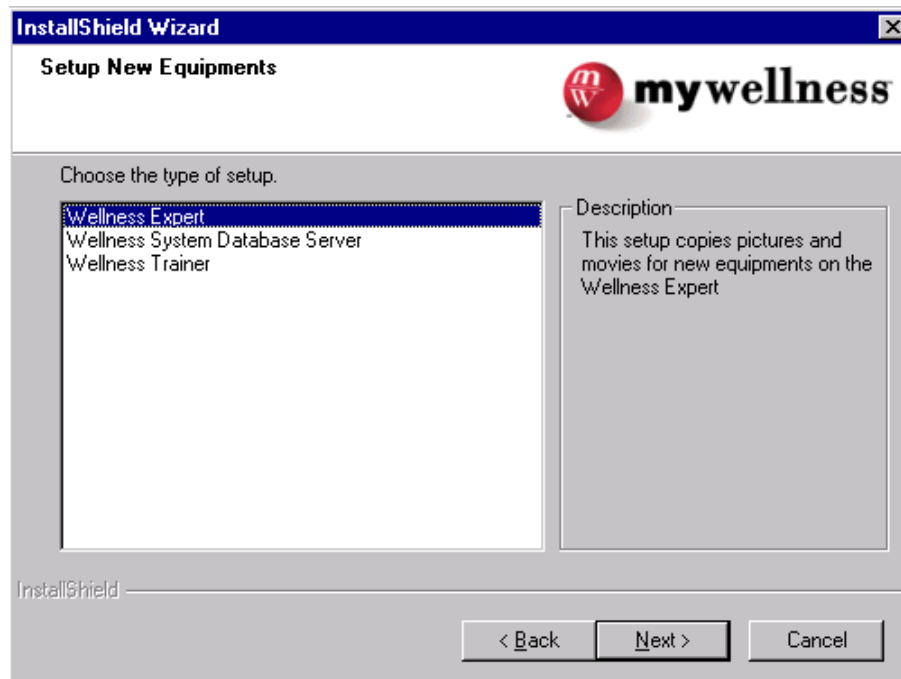


Figure 8.12-2

at this point it is necessary to choose the type of installation. This will depend on the software running on the computer where setup is being performed.

In the case of installation on the server, setup will prompt for confirmation of the name of the data base to which it must connect. The name of the data base can be determined by placing the mouse cursor over the red SQL icon on the lower right hand corner of the server desktop, near the system clock.

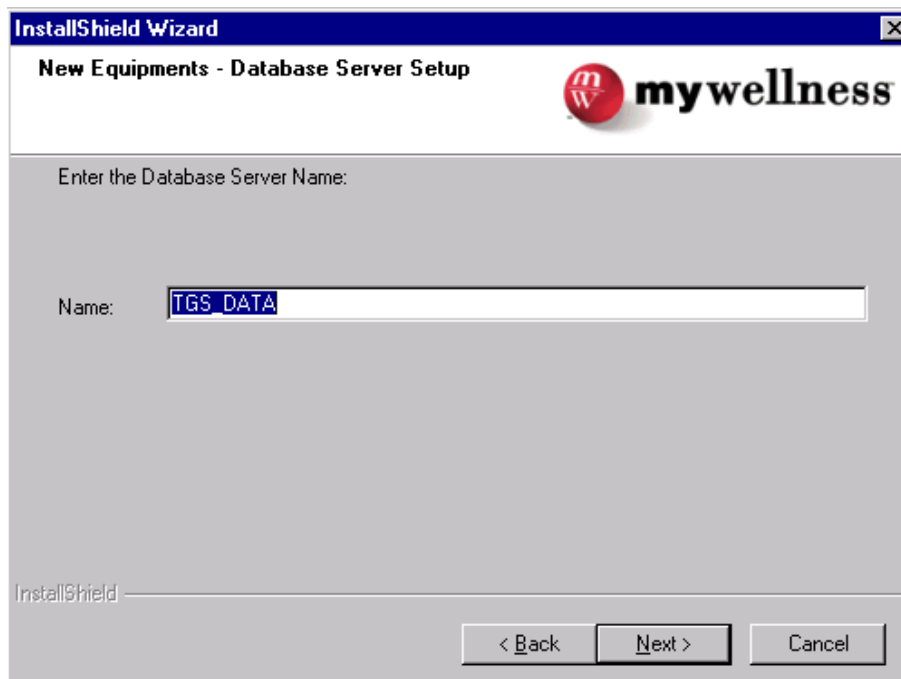


Figure 8.12-3

When setup is performed on the server it also installs a Help file called "New Equipment Readme", containing the list of all the installed machines, in the Wellness System Data Base folder. For each machine, this file contains a list of the exercises entered and details whether the images and video clips are already available.



Figure 8.12-4

In the case of installation on a Wellness Trainer or Wellness Expert, set up will automatically determine where the software was installed, and will update the images and video clips.

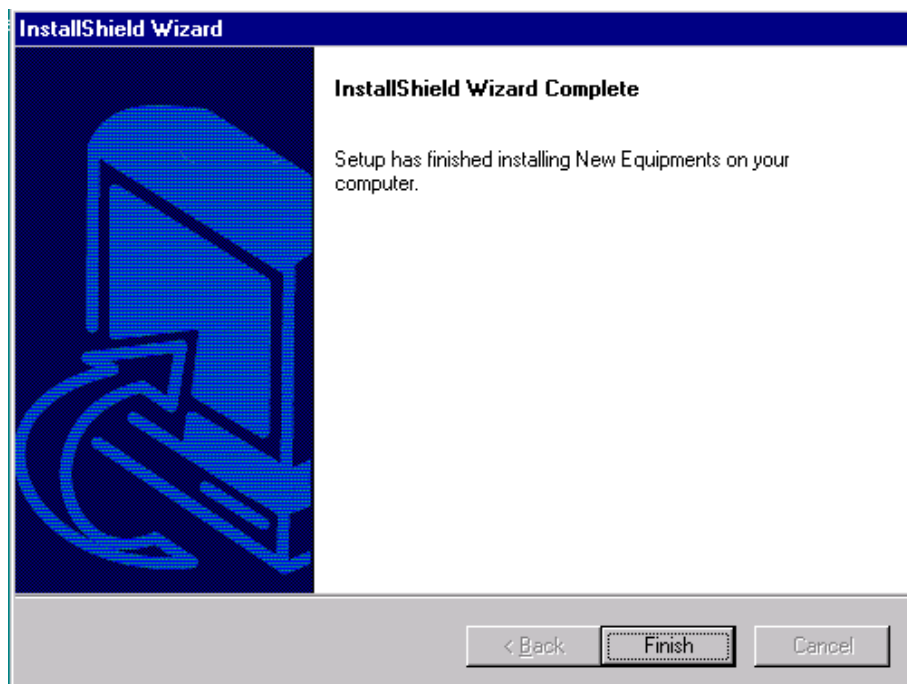


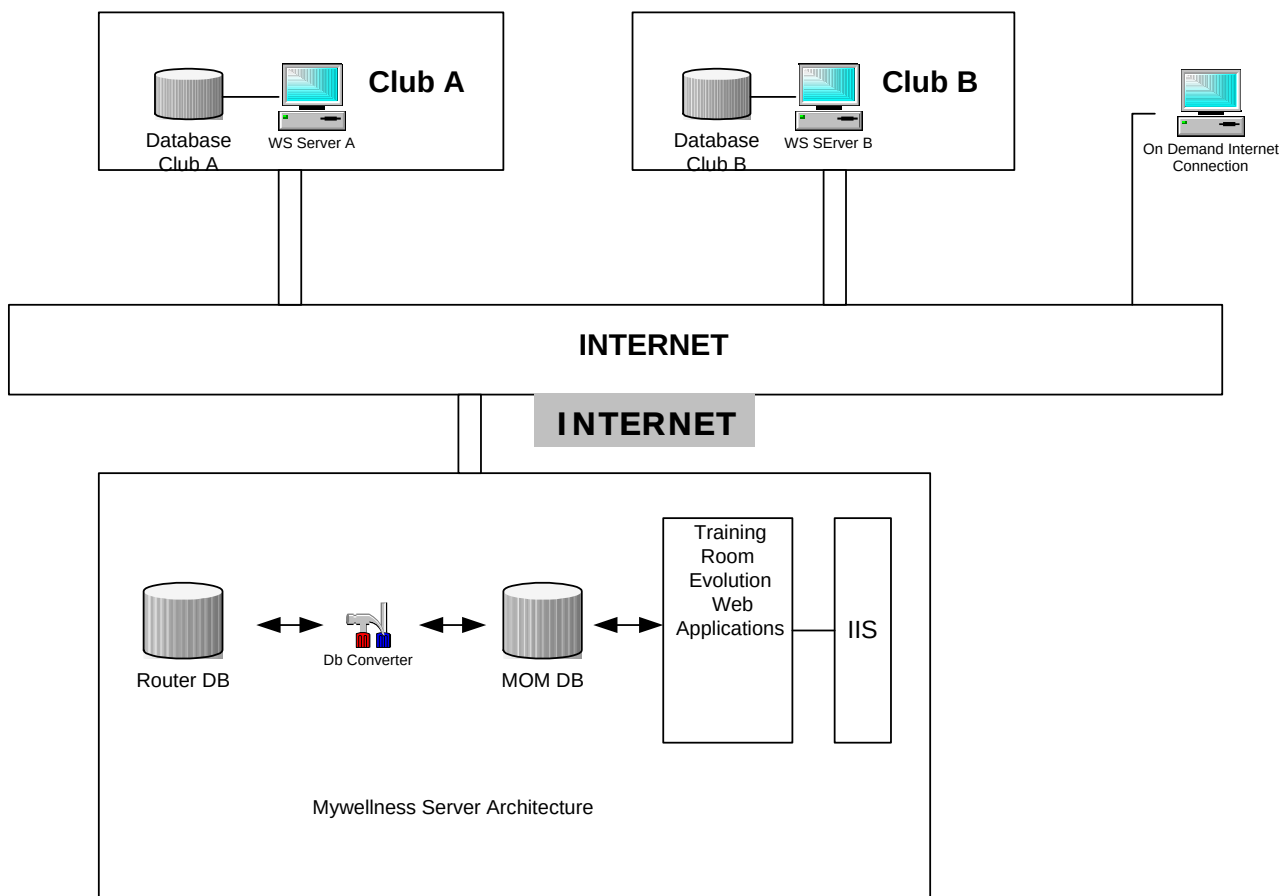
Figure 8.12-5

8.13. TRAINING ROOM EVOLUTION (TRE)

Training Room Evolution is an application that allows users to:

- access to most of the Wellness Expert services through Internet with an interface with the same “look and feel”.
- train at different clubs belonging to the same chain (user roaming)

The block diagram is as follows:



At the top there are:

- the 2 server PCs of 2 clubs belonging to the same chain;
- the user's PC, with an internet connection;

on the lower part

- the server containing the databases with which the club data is synchronized, which will be referred to as the "router database" from now on;
- the MOM (MyWellness Object Module) database is a structure containing some of the data of the Router db. It's synchronized to this via the DataConverter and it's the source for the web application.
- the web server containing the application used for viewing the data.

There are two possible installation scenarios for the Training Room, depending on the location of the servers containing the web pages and the consolidated database.

- **Service Delivered by Mywellness:** the hosting service is delivered using Technogym servers which contain the Training Room web pages and the data to be displayed.
- **Service Licensed for hosting by Customer:** this solution requires a preliminary agreement between Technogym and the customer prior to the sale of the service, and involves hosting the internet applications (web pages and consolidated database) on the customer's servers.

In both cases, the installation of the Training Room requires an on-site call at the club to install the “Multi site client”, carried out by the branch/distributor, and an intervention on the host servers to install the web pages and the consolidated database, carried out by the Technogym HQ After Sales service.

To support these functions, the data must exist on both the club database and the consolidated database, and its constant duplication must be assured. The tool used for synchronizing the data is Sybase Mobilink: whenever any additions and/or changes are made to the club database, this program automatically duplicates them, via the synchronization process, on the consolidated database as well.

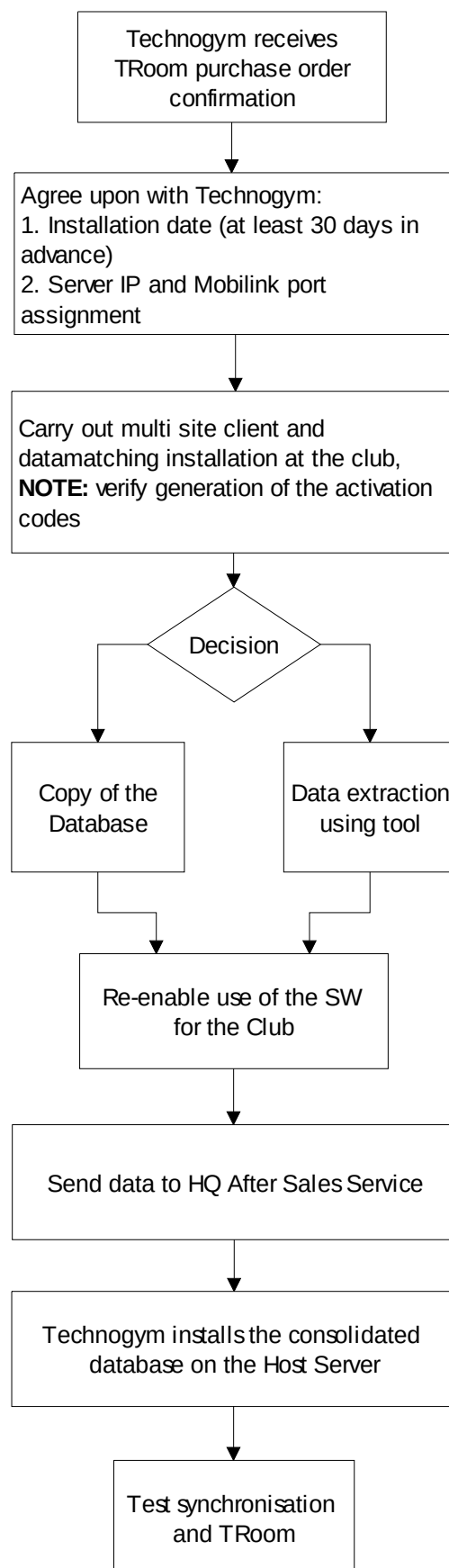
In order for the synchronization to succeed:

- The club database server must be provided with an Internet connection;
- The Multi Site Client must be installed at the club;
- The consolidated database must have been constructed on the host server;
- The synchronization on the club server database must have been scheduled and/or performed.

NOTE: The club database server will communicate with the consolidated database only after the installation on the host server has also been completed.

8.13.1. MANAGING THE INSTALLATION

Installation of the Training Room requires coordinating the dates of the activities carried out by the branch/distributor and by the HQ After Sales service. Therefore, it is important to follow the procedure illustrated below.



8.13.2. DOWNLOAD OF SOFTWARE AND DOCUMENTS FOR INSTALLATION

The software and documents necessary for the installation can be downloaded from the SW-Download/Troom/ folder on the Technogym ftp site:

<ftp://ftp.technogym.com>

user: tgsservice

password: 650666

Software:

- **MultiSiteClient** is the software to be installed in clubs equipped with Wellness Trainer 4.0.4011 or higher;
- **DataMatching** is the tool that let you uniform the activities and biometric parameters in all the clubs of the same chain;
- **Import/Export** is the software that let you extract the data from the Wellness System database.

Documents

- **MultiSiteClient&Datamatching USE.doc** is the document that explains how to setup the MultiSiteClient, the DataMatching and the Import-Export. This can be download from <ftp.technogym.com/SW-Download/TRoom/> ;
- **Activation Tool Guide Eng.doc** is the document describing the use of the tool for automatically enabling clients;

8.13.3. PRODUCT CODES

HOSTED BY MYWELLNESS		
E0000031	Troom Yearly Client Service	Yearly fee. Per club
E0000028	Troom Client License	One-time cost. Per club

HOSTED BY CUSTOMER		
E0000024	Troom Server License	One-time cost. Per server
E0000034	Client License For Troom Customer Hosted	One-time cost. Per club

8.13.4. CAUTIONS

The synchronization between the club database and the consolidated database starts when the synchronization is created, i.e. when the Multisite Client setup is executed. From that time onward, all changes to the data must be duplicable on both the gym database and the consolidated database. For this, the TGS_DATA.log database log file and all the copies of it in the TSC_DATA folder (xxxxxxxxx.log where xxxxxxxxxx is a number indicating the creation date) are fundamental, because all changes to the database are written to these files. When the synchronization is performed, the software uses special OFFSET pointers to duplicate all changes made to the club database on the consolidated database. For this reason, the log files cannot be manually deleted, as this would result in the loss of any changes that have not yet been synchronized.

Therefore:

1. Do not delete the data base log files
2. Do not use the -m option to start the data base. The correct command line is:

```
C:\Programmi\SYBASE\ASA70\win32\dsrv7.exe -ti0 -gk all -ct -c2048 -n TGS_DATA  
C:\TGSYSTEM\TRAINER\tsc_data\TGS_DATA.DB
```

3. In the Bckrst.ini file, do not edit the parameter StartBackup:

```
; Backup command line  
StartBackup=dbbackup.exe -y -r -q -c
```

4. In the event of a Recovery (the log file is deleted and reconstructed) or if a backup is recovered using TGSRestore, the synchronization will no longer be possible and must be reactivated.

8.14. WELLNESS SYSTEM “SMARTCARD” AND “EXCITE”

New builds of the following Wellness System 4.0 components have been released:

Version Smart Card

- Wellness Trainer Build 1037 (Setup build 1040)
- Wellness Expert Build 1037 (Setup build 1048)
- Equipment Wizard Build 3.0.309 (Setup build 11)

Version Excite

- Wellness Trainer Build 2026 (Setup build 2028)
- Wellness Expert Build 2028 (Setup build 2028)
- Equipment Wizard Build 3.1.0.301 (Setup build 1)

These builds are incompatible with the preceding ones, therefore before installing, them the entire system must be updated to the latest software version.

This new version includes some new and important features and various bug fixes. Therefore the software update is recommended for all customers who need to be updated and have a current service contract. This update does not entail a version change, and can therefore be installed by customers who already have version 4.0, without any additional license costs for the branches and/or customers. It is understood that customers upgrading from version 3.0 to 4.0 must purchase an update license.

Notes:

1. **From now on, the installation CDs will be labelled with the Setup build rather than the executable build. For example, the Setup build of the Trainer is 4.0.1040 whereas the executable build is 4.0.1037. This distinction exists because the same executable build can be installed by different versions of the Setup.**
2. **The Wellness Expert installation now uses two CDs. One for installing the software components, and the other for installing the Video clips.**

3. The Wellness Trainer CD no longer contains the Dutch version of IE5.0.
4. The version Excite doesn't install anymore the "Data Extractor". This has been substituted with the "Offline Data Manager" available from the version Compatibility".
5. Wellness System Trainer Excite installs the Wellness TV Configuration. This tool is the configuration program of the tool Wellness TV. With this software is possible to assign name to the channels set on the Wellness TV, read and write special key that let transfer the configuration setting from one machine to the other and also from the PC. To see how to create these key from one of the machine, refer to the "Wellness TV User's Manual". With this software is also possible to set and edit the generic parameter of the device Wellness TV, such as brightness, contrast and enable the speaker. In the "Club Member" area, the instructor can select which Radio or Television channel must be automatically selected when the user insert the key. It's possible to define a timetable for this with the different hours of the day and the different days of the week. This setting can be automatically updated by the user if the option "Update Wellness TV programming with latest channel watched" in the club setup\option\application is selected.

8.14.1. NEW SETUP PROCEDURE FOR WELLNESS TRAINER AND WELLNESS EXPERT

With this new build the Sybase version has also been updated, to number 7.0.3. For this reason, before performing the update it is recommended to also uninstall the Sybase software from the Control Panel and delete the C:\program files\Sybase folder.

The main changes are:

1. The Wellness System setup has been changed to permit installation of the Database as a service on servers running Windows NT or Windows 2000. This allows the Database to start even if there are no users logged onto the server. If this solution is chosen, the shortcut for starting the Database will no longer appear in the StartUp folder of the Start menu.

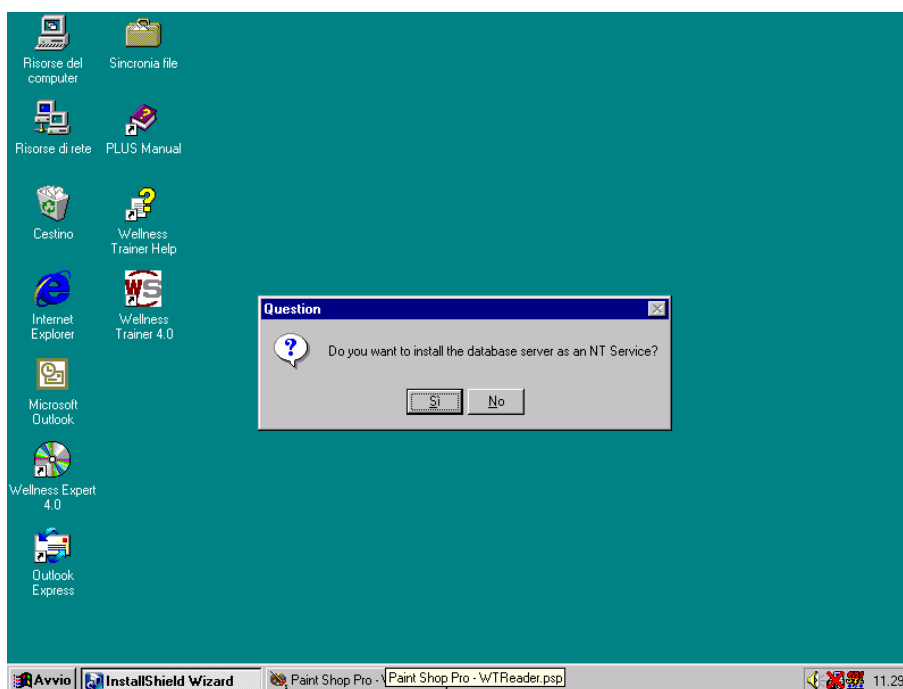


Figure 8.14-1

2. In addition, when the applications is installed it is possible to choose whether the Club uses TGS keys or **SmartCards**. This selection depends on the type of hardware installed at the Club and, if the SmartCard is used, the Database activation codes must be generated by the Web Code specifying the SmartCard option.

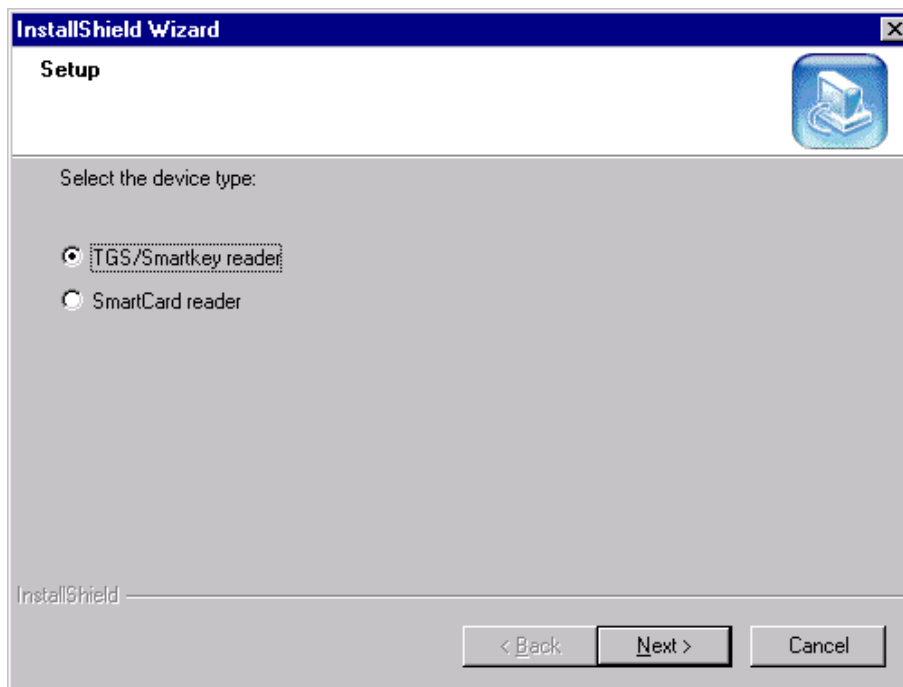


Figure 8.14-2



Do not select this option if the SmartCard readers are not used, as this will cause setup to install the SmartCard drivers which are incompatible with the Trainer Point.

The new document necessary for installing the Wellness Trainer, OSM00075_Ing.pdf, can be downloaded from the SW-Download/Wsystem folder on the Technogym ftp site.

<ftp://fpt.technogym.com>

user: tgsservice
password: 650666

This same folder also contains the document which lists the new features.

In addition, with this new build the installation of the Wellness Expert uses two different CDs. One for installing the software components, and the other for installing the video clips.

8.14.2. INSTALLING THE DATABASE AS A SERVICE

The database can only be installed as a service on servers running Windows NT or Windows 2000. If the database is installed as a service, it will not be necessary to log onto the server for the database to be active.

The database can be managed as a service using the scview.exe program which the Wellness Trainer setup copies into the folder "C:\Program files\SYBASE\ASA70\SHARED\Sybase Central 3.2\win32\scview.exe".

When the tool is started the following window appears:

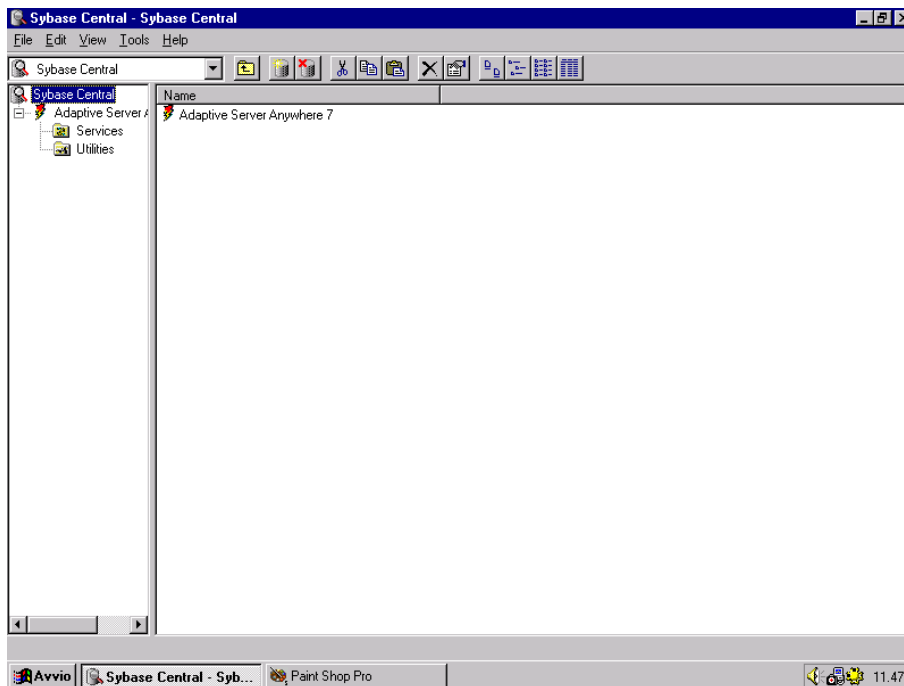


Figure 8.14-3

From here, clicking on the **“Services”** folder opens a list of databases installed as a service. In our case, WSDbServer.

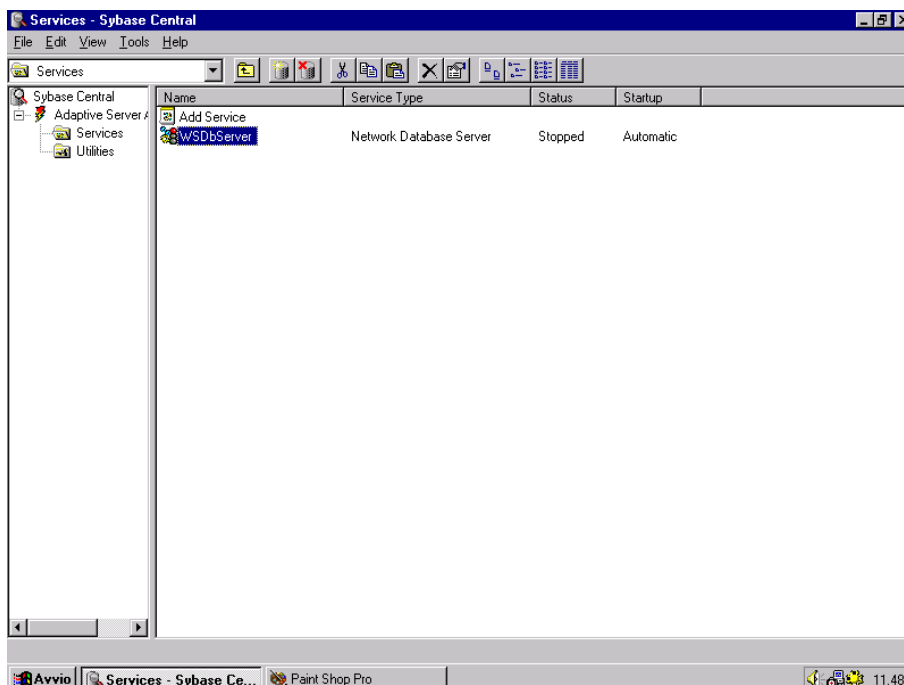


Figure 8.14-4

The Status column indicates whether the service is active or stopped (Started/Stopped) while the Startup column indicates the service activation mode (Automatic/Manual/Automatic/Disabled).

By clicking on the service icon it is possible to change its characteristics. These include the same “Parameters for executable” that are found in the target of the shortcut used for starting the database from the startup menu.

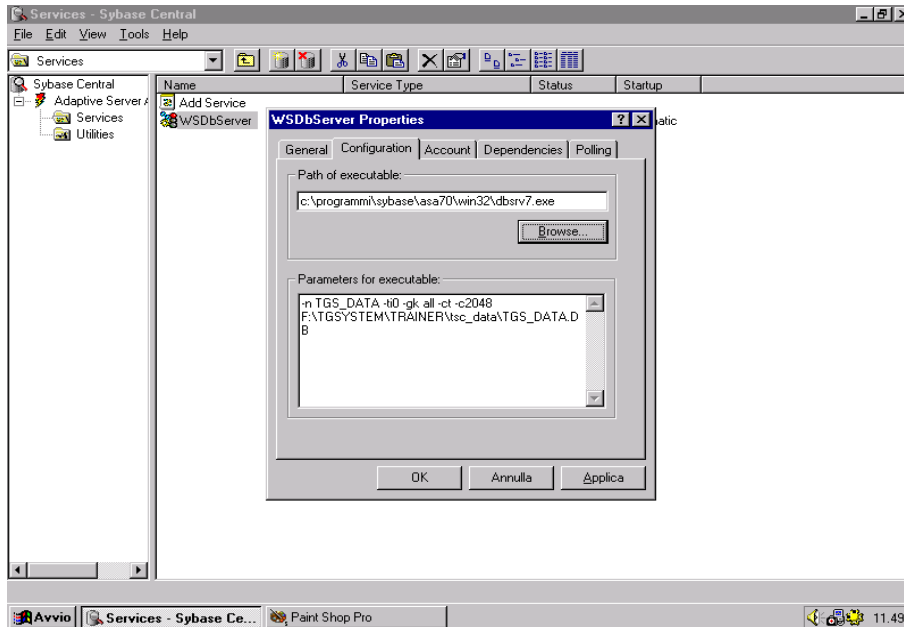


Figure 8.14-5

8.15. WELLNESS SYSTEM “COMPATIBILITY (SERVICE PACK 1 AND SERVICE PACK 3)”

New builds of the following Wellness System 4.0 components have been released:

Sp1

- Wellness Trainer Build 4.0.4011 (Setup build 4011)
- Wellness Expert Build 4.0.4011 (Setup build 4011) Video Wellness Expert 4.0.4011 or 4.0.5001
- Equipment Wizard Build 3.2.0.301 (Setup build 1)

Sp3

- Wellness Trainer Build 4.0.6016 (Setup build 6016)
- Wellness Expert Build 4.0.6014 (Setup build 6014)
- Equipment Wizard Build 3.2.0.322 (Setup build 20)

These builds are incompatible with the preceding ones, therefore before installing them, the entire system must be updated to the latest software version.

This new version includes some new and important features and various bug fixes. Therefore the software update is recommended for all customers who need to be updated and have a current service contract. This update does not entail a version change, and can therefore be installed by customers who already have version 4.0, without any additional license costs for the branches and/or customers. It is understood that customers upgrading from version 3.0 to 4.0 must purchase an update license.

Notes:

1. **Starting from this version, it's possible to install the “Offline Data Manager” . This tool can be used to remove old data from the actual database and eventually move them to a secondary database. In this second case, a license for the secondary database must be purchased. Instruction on how to install the “Offline Data Manager” can be found at the end of this paragraph.**
2. **This version is the one that must be used, together with the Equipment Wizard, to edit the exercise list of the New Feed Back Point.**
3. **This is the first version to be compatible with the software Feedback Point Configurator. This software can be used on the New Feedback Point to edit the standby screen with personalized message and to insert a list of 5 activities.**
4. **The setup Video 4.0.5001 installs the movies as Avi and Mpeg that don't need the codec Indeo, that was required from the previous version.**
5. **Version Sp3 of the Wellness Trainer installs the “Marketing Manager”. This software is used to send messages, e-mail and SMS. This last option requires a license.**

8.15.1. NEW SETUP PROCEDURE FOR WELLNESS TRAINER AND WELLNESS EXPERT

The setup now requires to specify a network shared path where the pictures of the customers can be stored. We suggest to create a folder called “photos” on the server and share it with read and write permissions. We suggest to make backups of this folders as of the folder where the backup of the database is stored. The Trainer client must be able to access this folder. The path can be changed after the installation from “club setup” on Wellness Trainer.

8.16. OFFLINE DATA MANAGER INSTALLATION

There are two setups for the Offline Data Manager, the primary and the secondary. The primary installs the tools to remove the data and updates the database, making it ready for the synchronization. This installation doesn't need a license. The other setup installs the secondary database, that can be used to store the data. If this second option is installed, the user must use the Report Manager to access the database and run the statistics. The setups for the Offline Data Manager and for the Report Manager are on the Wellness Trainer's CD. The user's manual can be downloaded from Technogym's ftp site.

8.17. PRIMARY SERVER INSTALLATION

To install the primary server, select the setup.exe file in the folder Offline Data Manager\Setup Primary Server.

After starting the installation, the following dialog box appears:

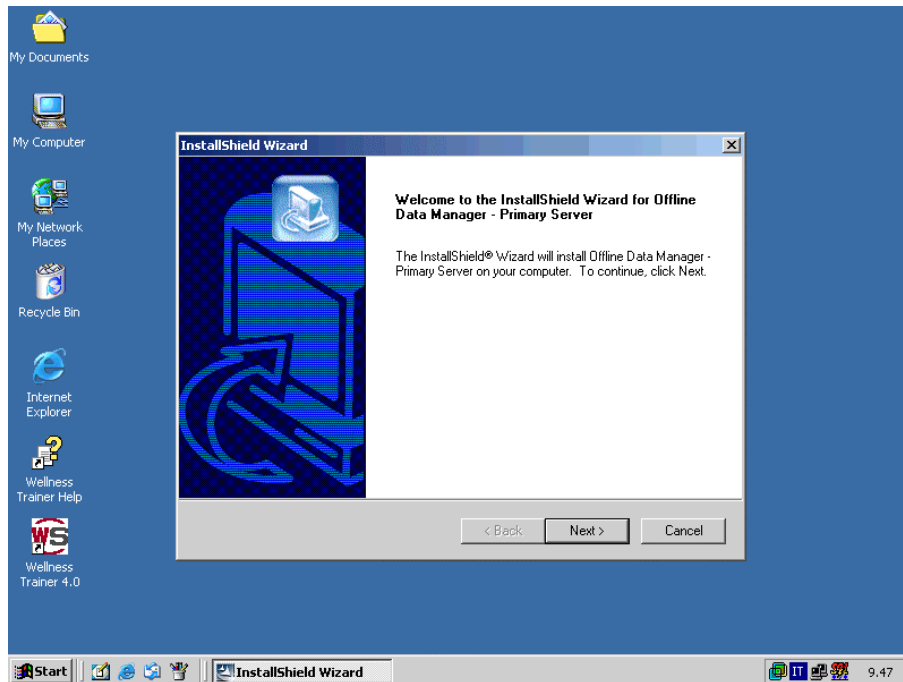


Figure 8.17-1

Press “**Next>**” key to proceed. The following dialog box appears:

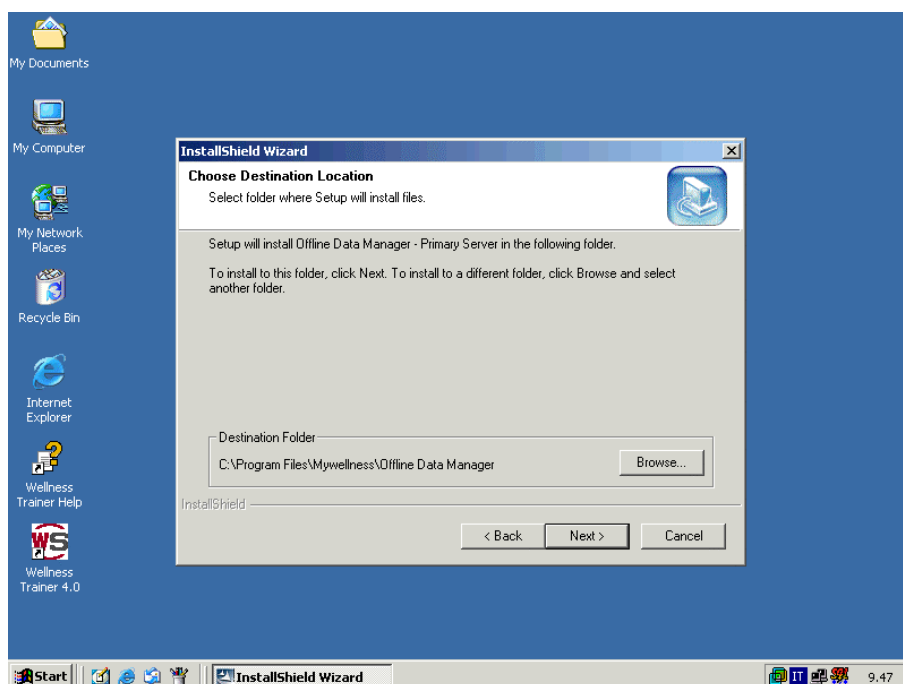


Figure 8.17-2

Press “**Next>**” key to proceed. The following dialog box appears:

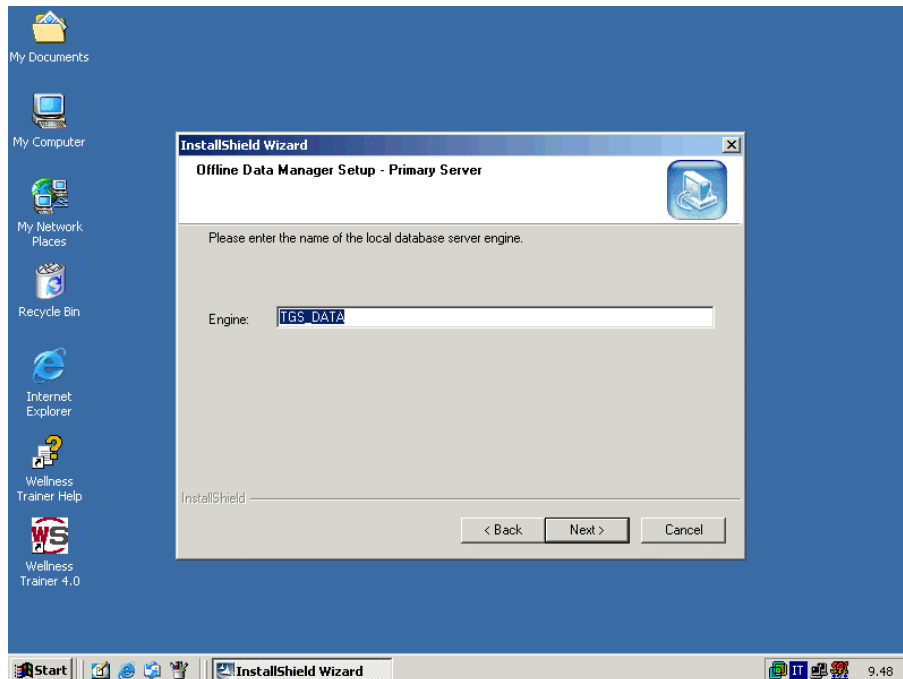


Figure 8.17-3

Press “**Next>**” key to proceed. The following dialog box appears:

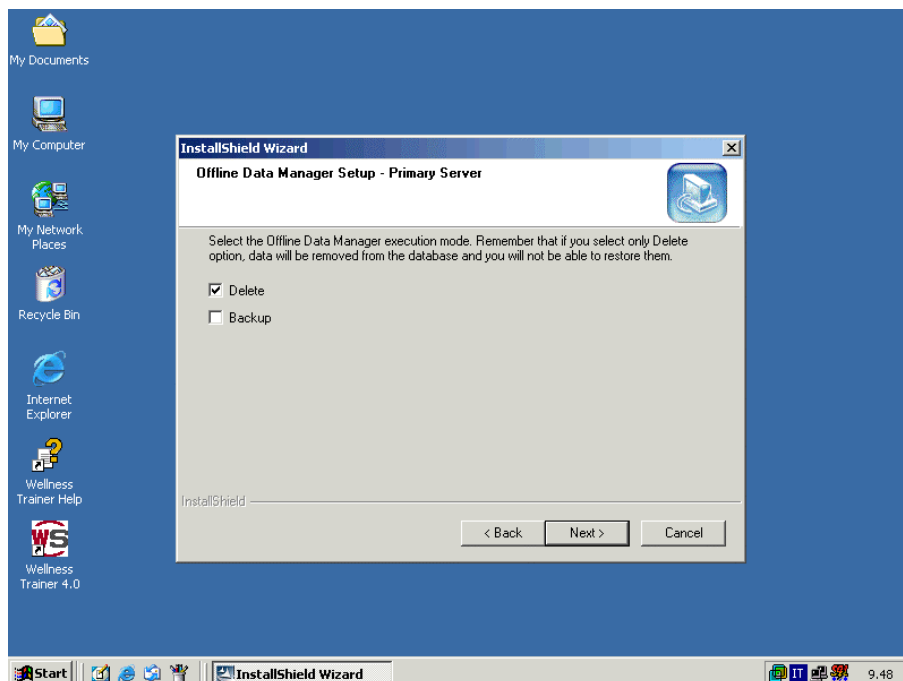


Figure 8.17-4

Select “**Delete**” if you will install only the Primary, select “**Backup**” only if you will install also the Secondary.

Press “**Next>**” key to proceed. The following dialog box appears:

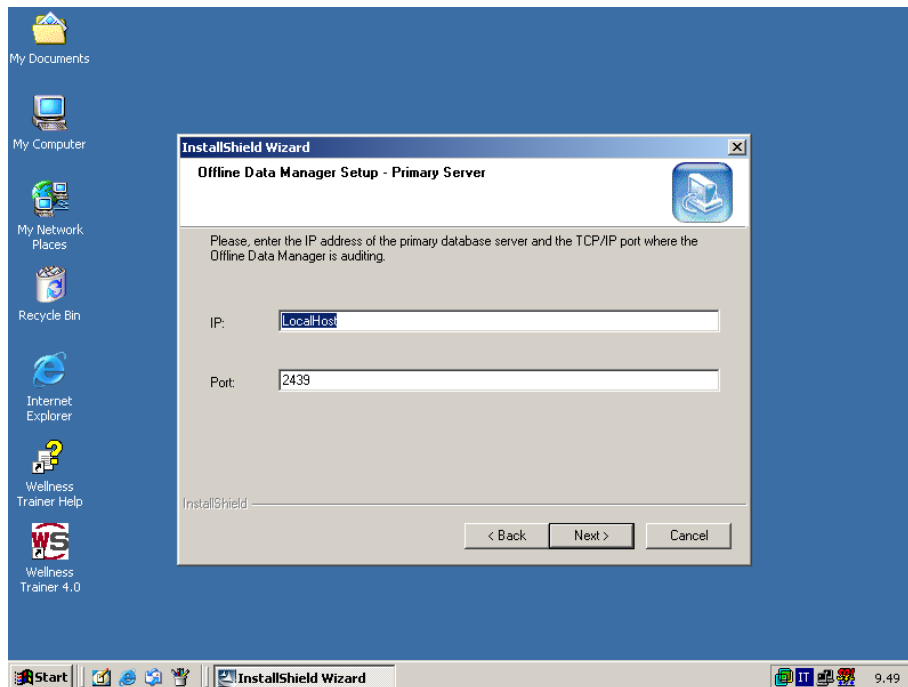


Figure 8.17-5

Press “**Next>**” key to proceed. The following dialog box appears:

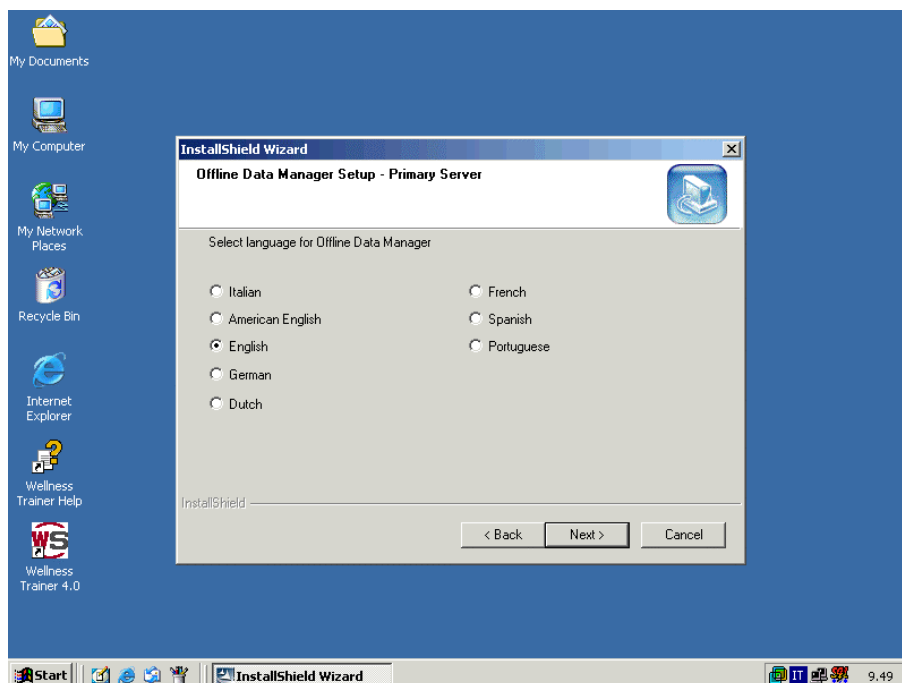


Figure 8.17-6

Select the language for the SW, then click “**Next>**” key to proceed. The following dialog box appears:

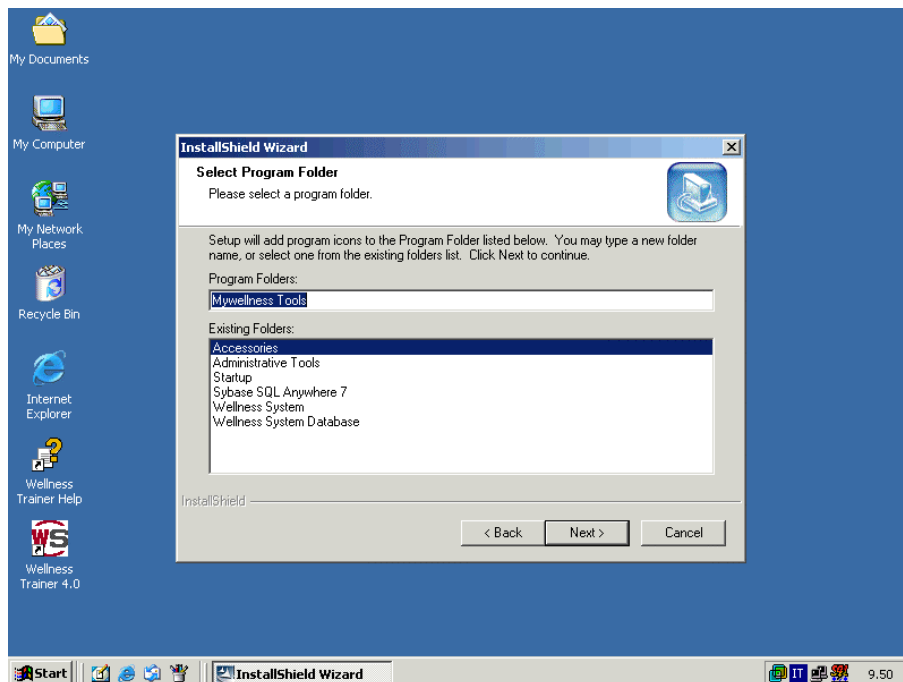


Figure 8.17-7

Press “**Next>**” key to proceed. The following dialog box appears:

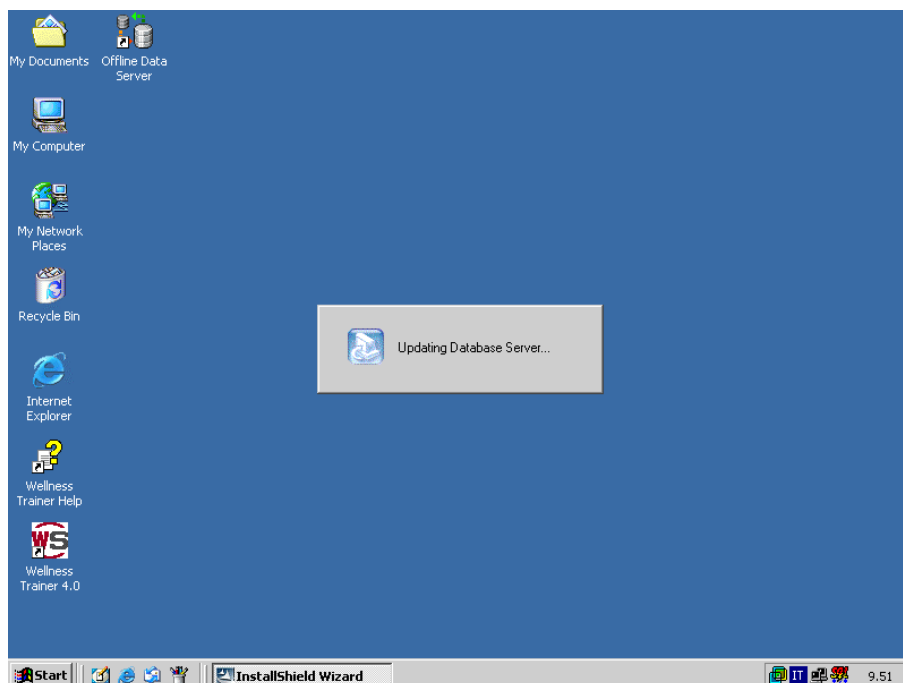
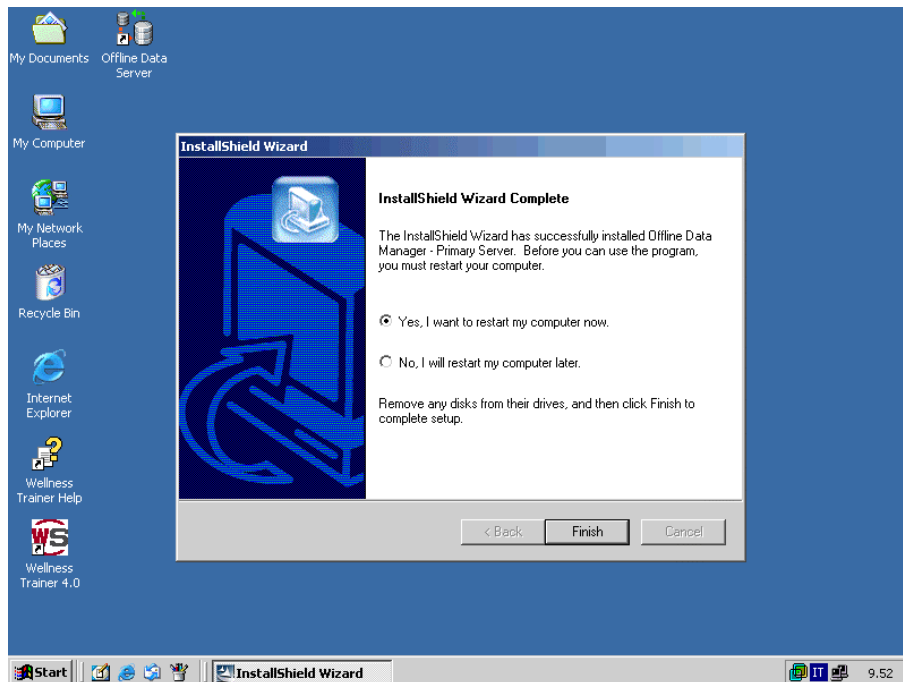


Figure 8.17-8

The setup is now updating the database. This operation can require hours, depending from the size of the database and of the server’s performance. The clients must be disconnected during this update.

When the update of the database has finished, the following dialog box appears:

**Figure 8.17-9**

The installation program prompts the user to reset the PC in order to configure itself correctly and complete the installation. Select **“Yes, I want to restart my computer now”** and click on **“Finish”** button to proceed with the machine reset and restart the system.

8.18. SECONDARY SERVER INSTALLATION

To install the secondary server, select the setup.exe file in the folder Offline Data Manager\Setup Secondary Server.

After starting the installation, the following dialog box appears:

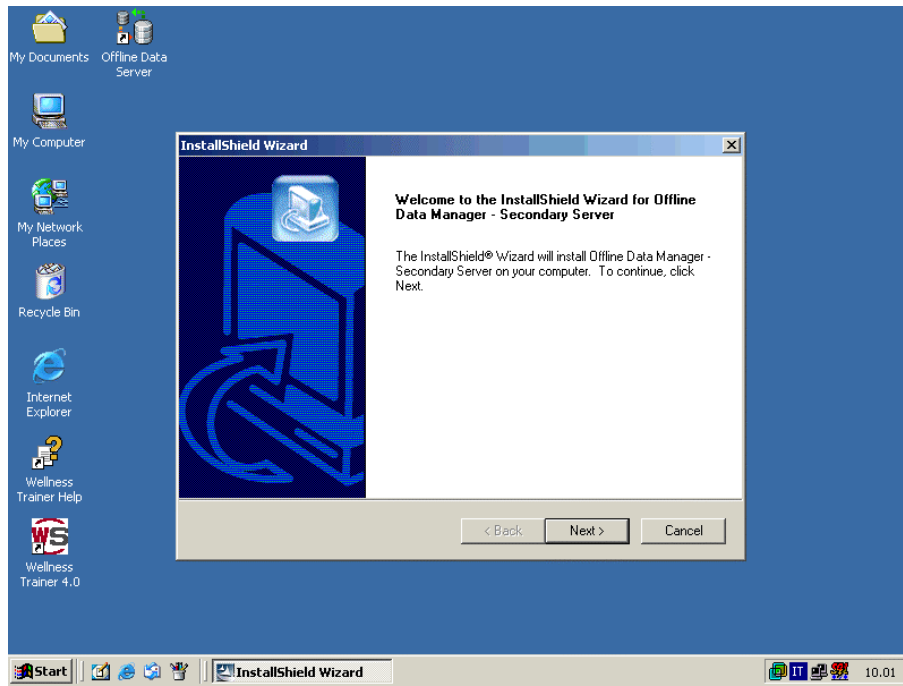


Figure 8.18-1

Press “**Next>**” key to proceed. The following dialog box appears:

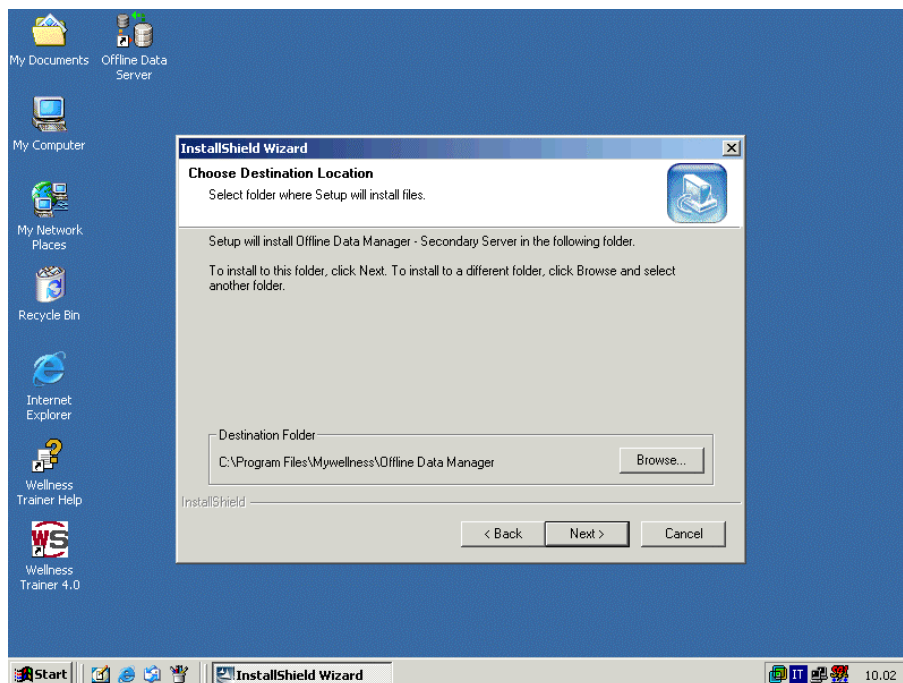


Figure 8.18-2

Press “**Next>**” key to proceed. The following dialog box appears:

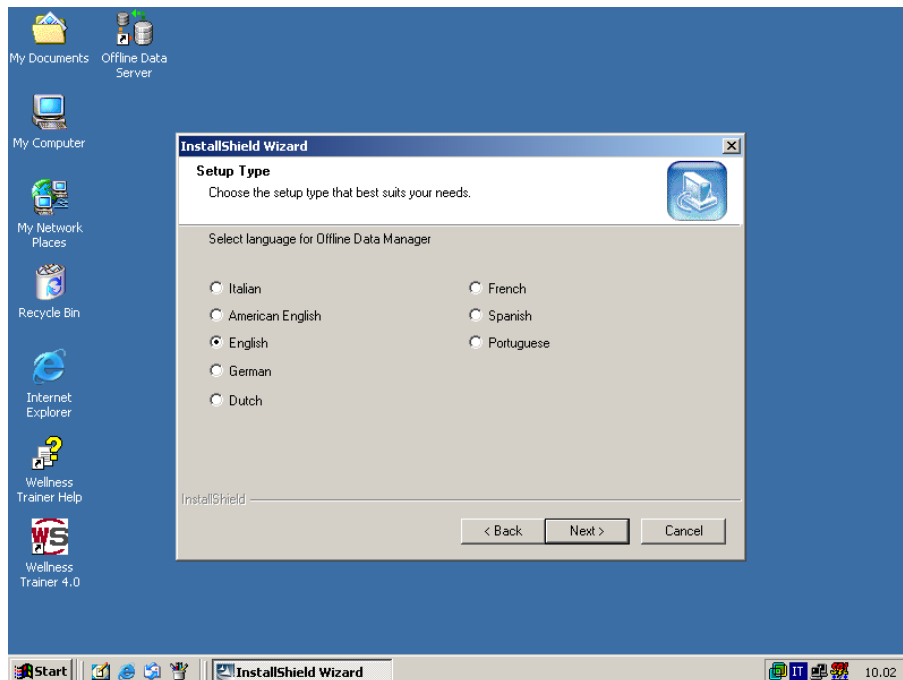


Figure 8.18-3

Select the language for the SW, then press “**Next>**” key to proceed. The following dialog box appears:

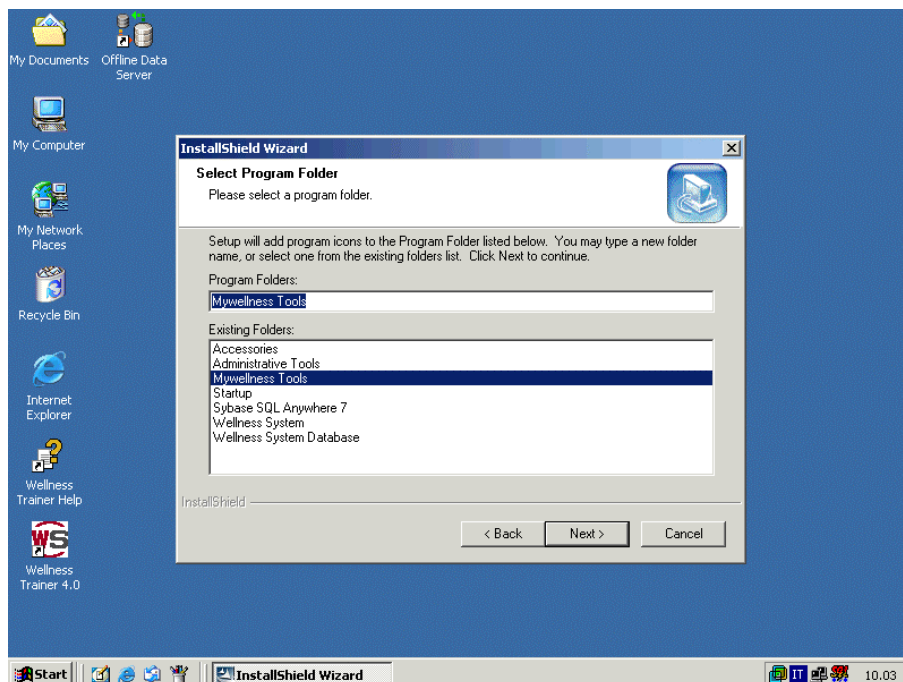


Figure 8.18-4

Press “**Next>**” key to proceed. The following dialog box appears:

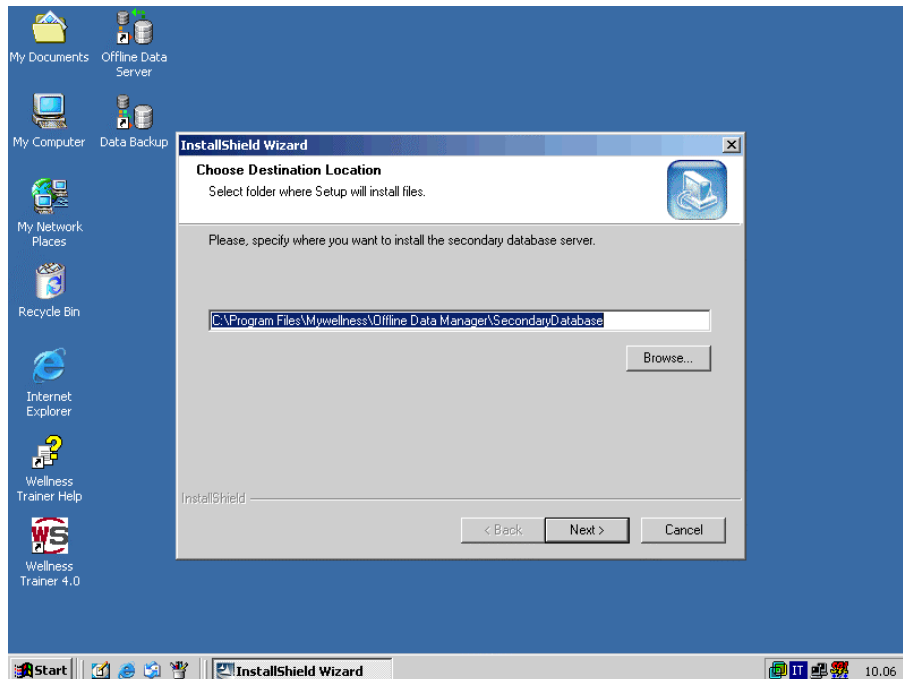


Figure 8.18-5

Press “**Next>**” key to proceed. The following dialog box appears:

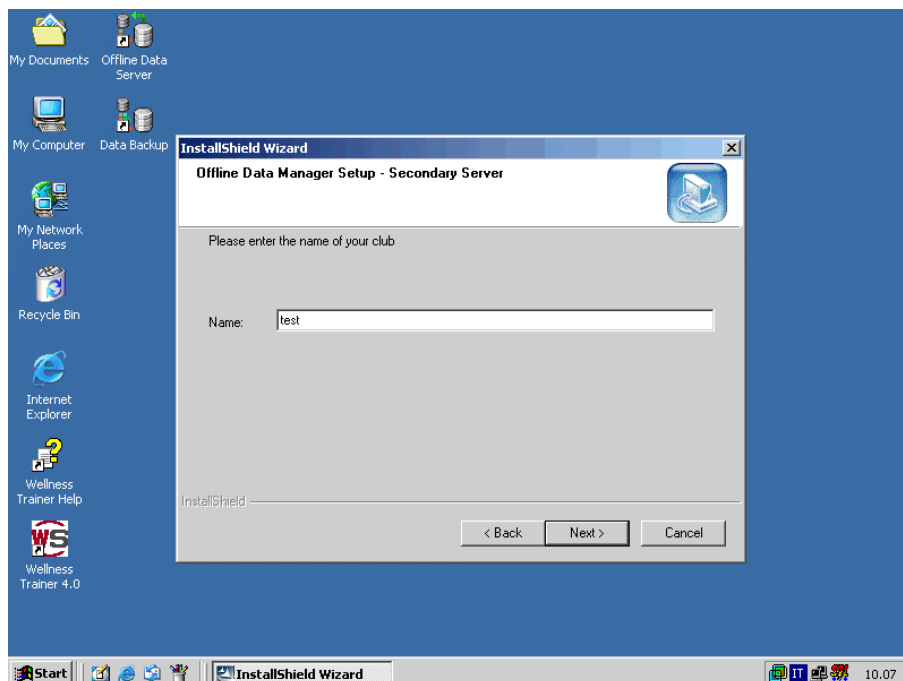


Figure 8.18-6

Insert the club name and press “**Next>**” key to proceed. The following dialog box appears:

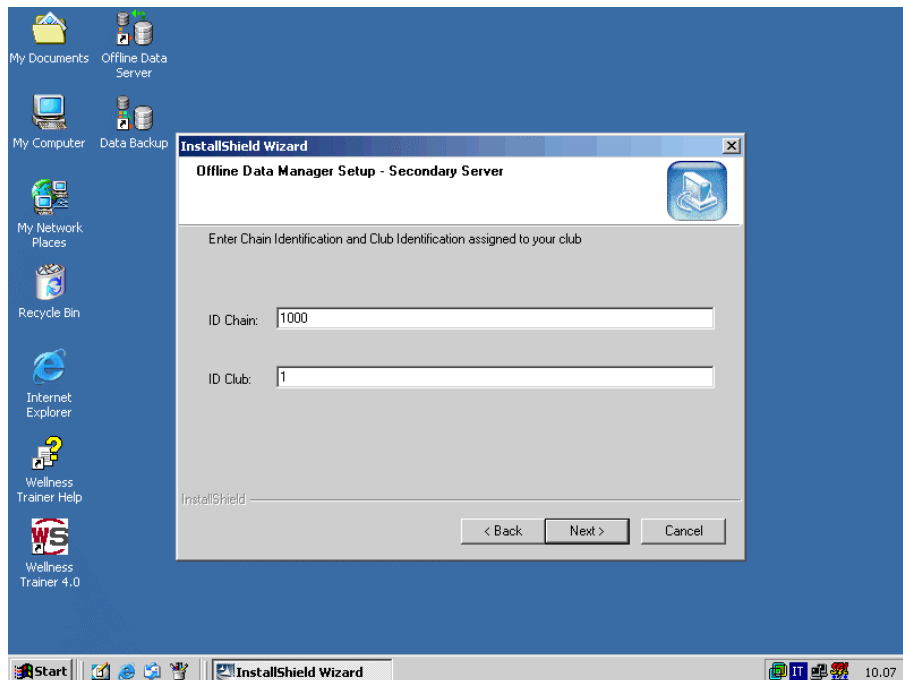


Figure 8.18-7

Insert the ID Chain and ID Club. These must be the same of the primary database. Press “**Next>**” key to proceed. The following dialog box appears:

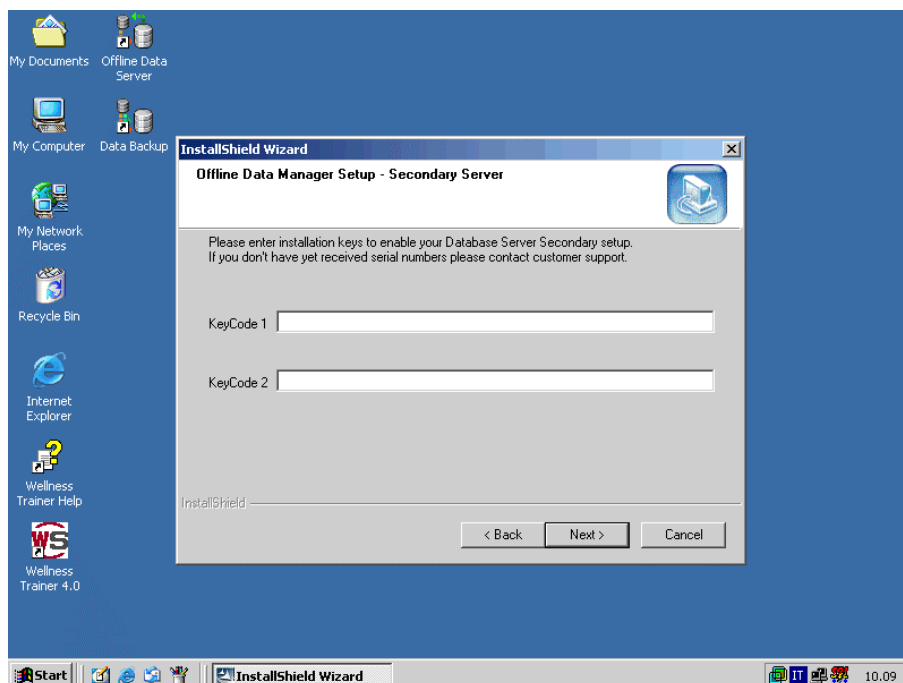


Figure 8.18-8

Retrieve the activation codes from the TgDirect and insert them here. Press “**Next>**” key to proceed. The following dialog box appears:

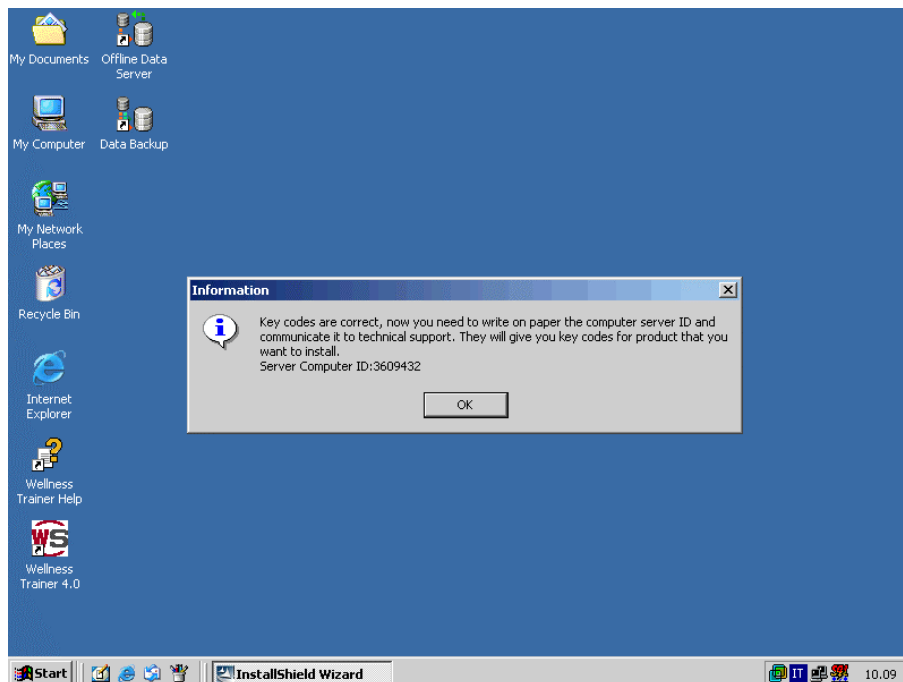


Figure 8.18-9

Press “**Next>**” key to proceed. The following dialog box appears:

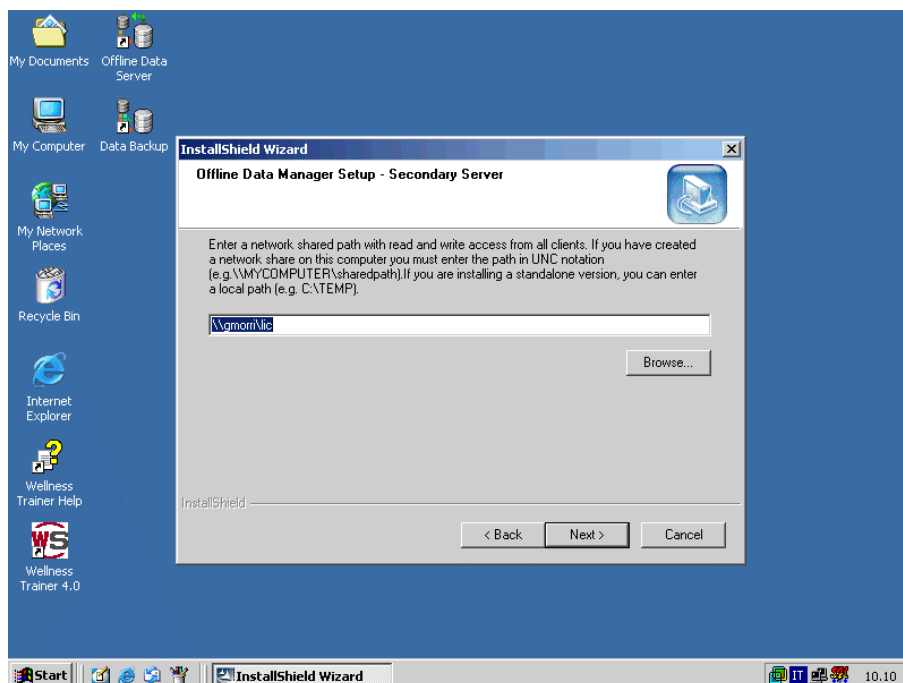


Figure 8.18-10

Select the shared path. This can be the same of the other client applications. Press “**Next>**” key to proceed. The following dialog box appears:

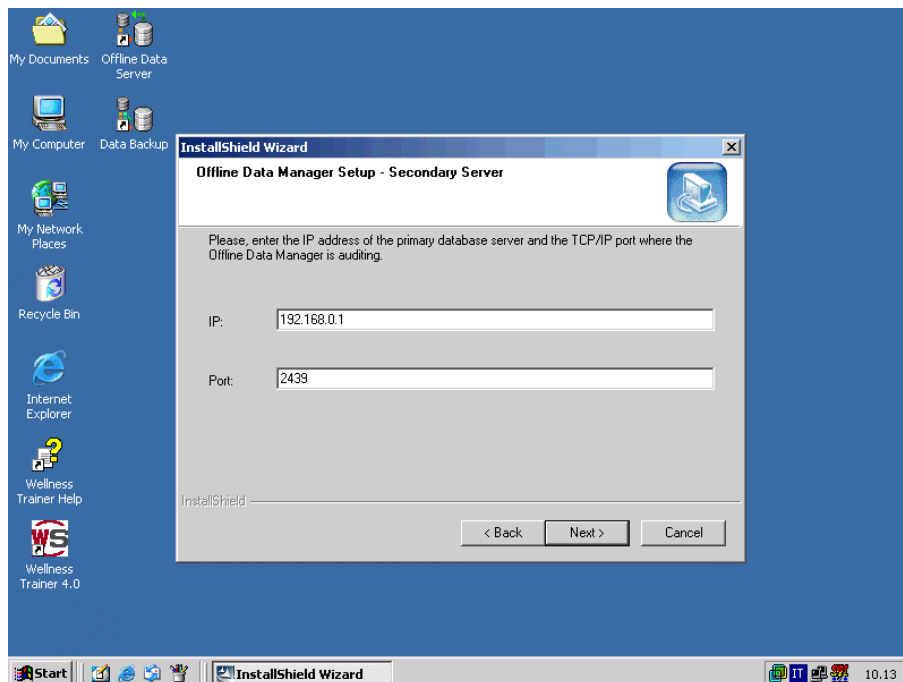


Figure 8.18-11

Input the IP address of the server where the primary database is located. Press “**Next>**” key to proceed. The following dialog box appears:

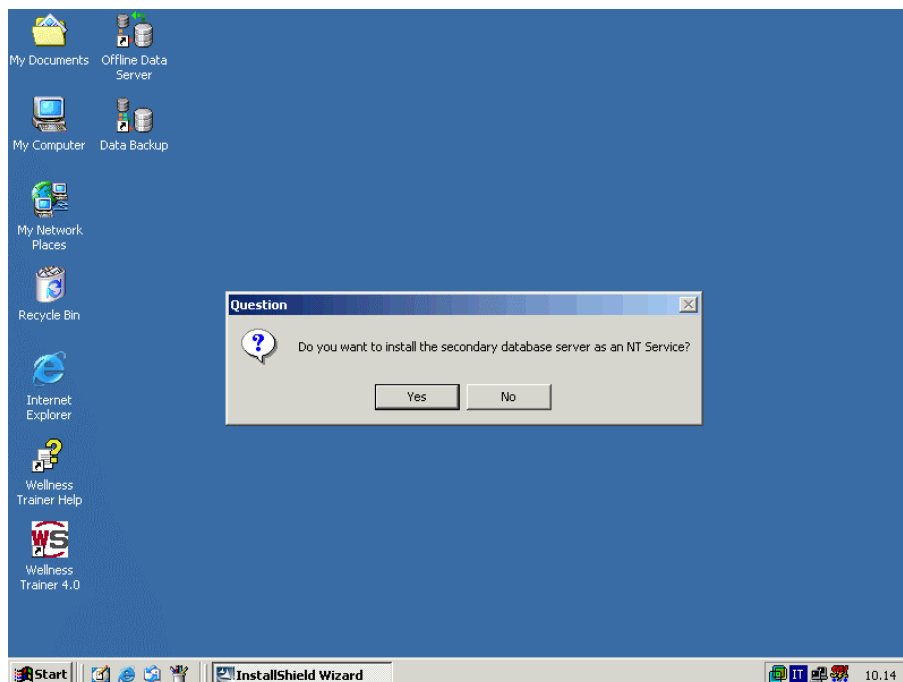


Figure 8.18-12

Select if you wish or not to install the db as a service. Press “**Next>**” key to proceed. The following dialog box appears:

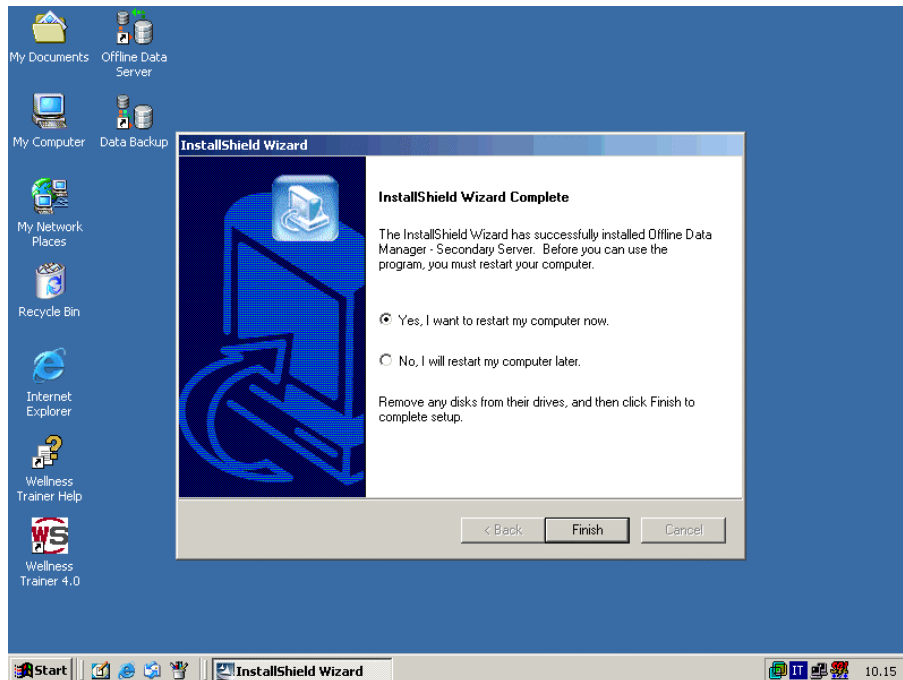


Figure 8.18-13

The installation program prompts the user to reset the PC in order to configure itself correctly and complete the installation. Select “**Yes, I want to restart my computer now**” and click on “**Finish**” button to proceed with the machine reset and restart the system.

8.19. REPORT MANAGER INSTALLATION

To install the Report Manager, select the setup.exe file in the Report Manager 4.0. After starting the installation, the following dialog box appears:

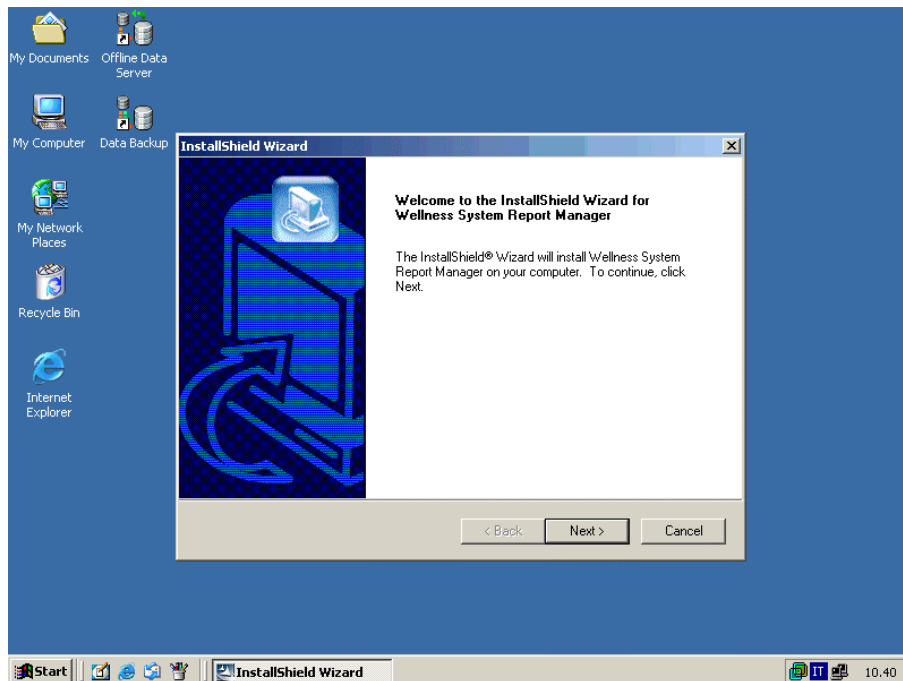


Figure 8.19-1

Press “**Next>**” key to proceed. The following dialog box appears:

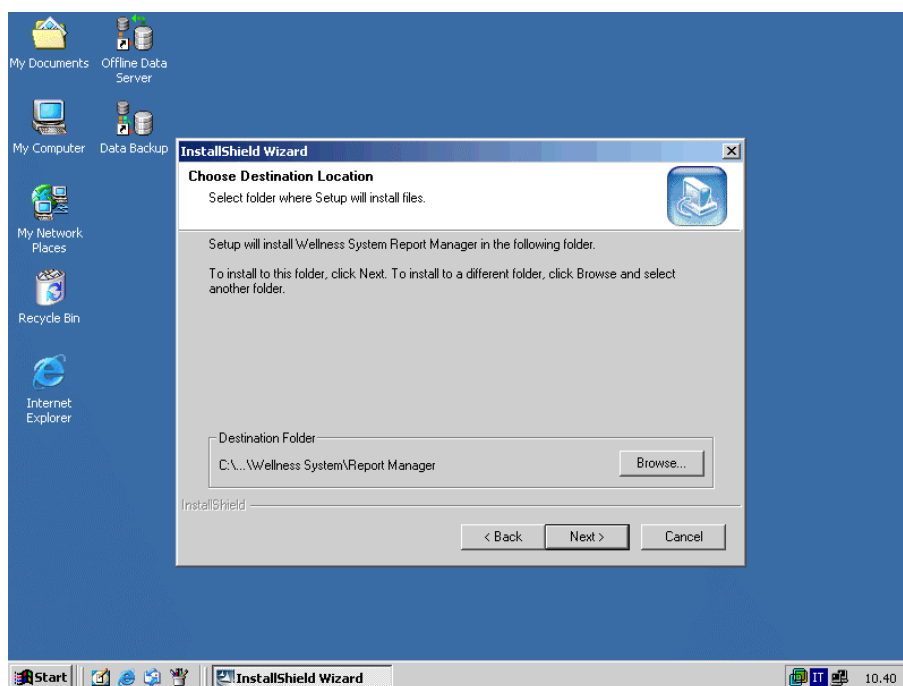


Figure 8.19-2

Press “**Next>**” key to proceed. The following dialog box appears:

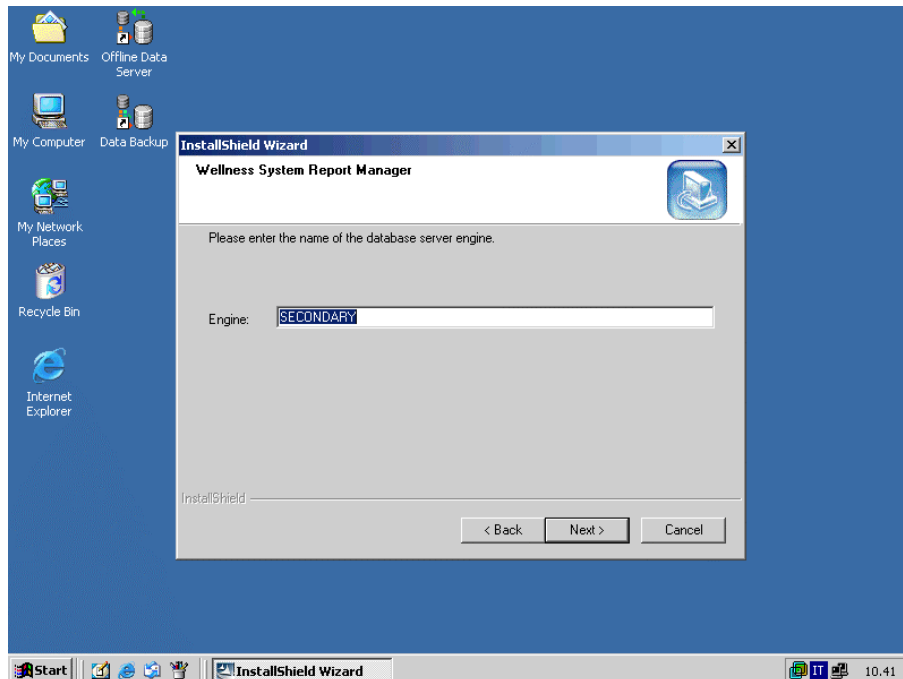


Figure 8.19-3

Select the database’s name and press “**Next>**” key to proceed. The following dialog box appears:

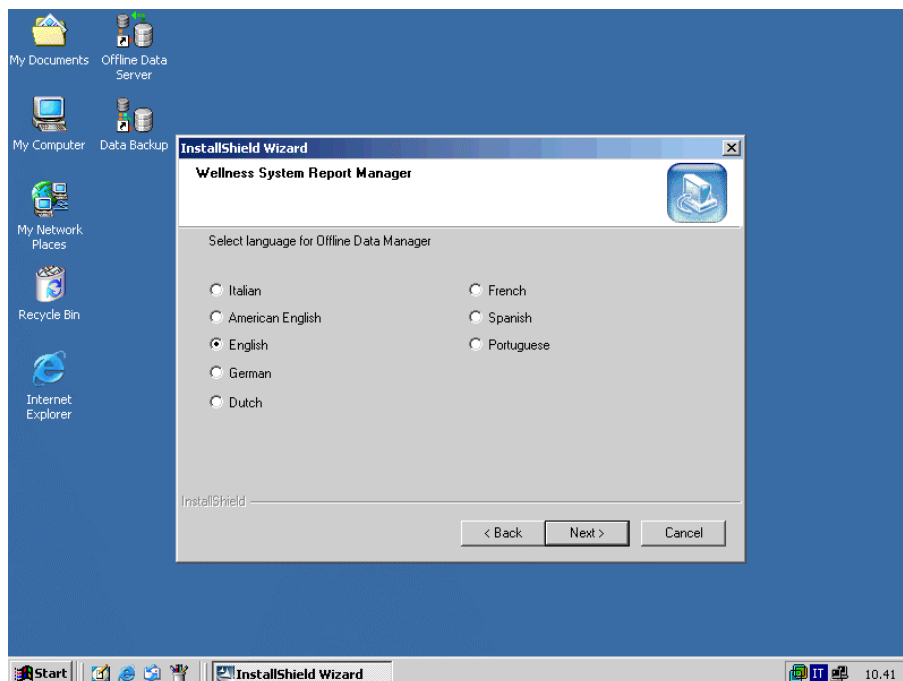


Figure 8.19-4

Select the language for the SW and press “**Next>**” key to proceed. The following dialog box appears:

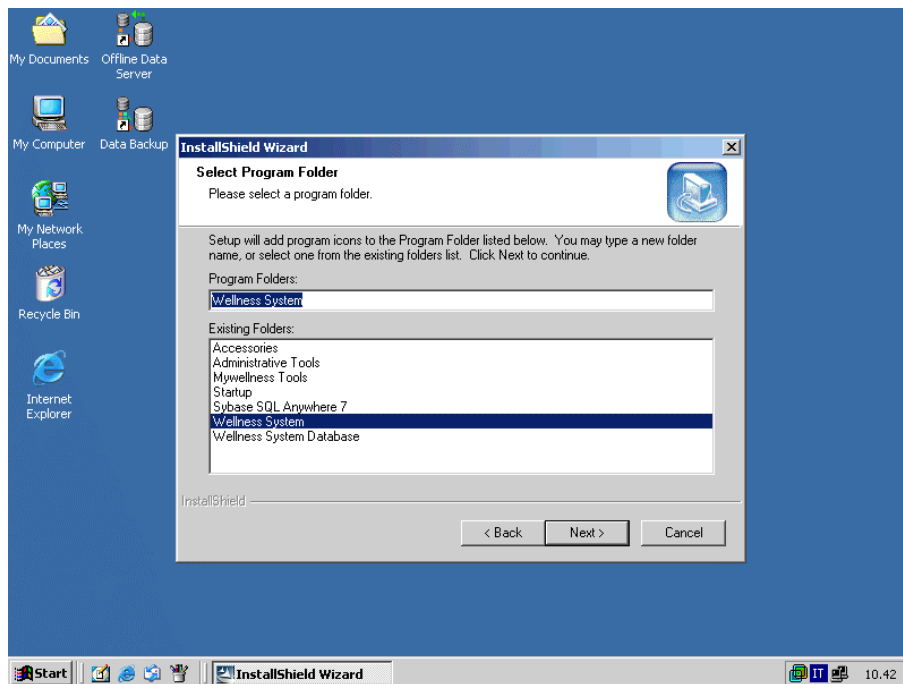


Figure 8.19-5

Press “**Next>**” key to proceed. The following dialog box appears:

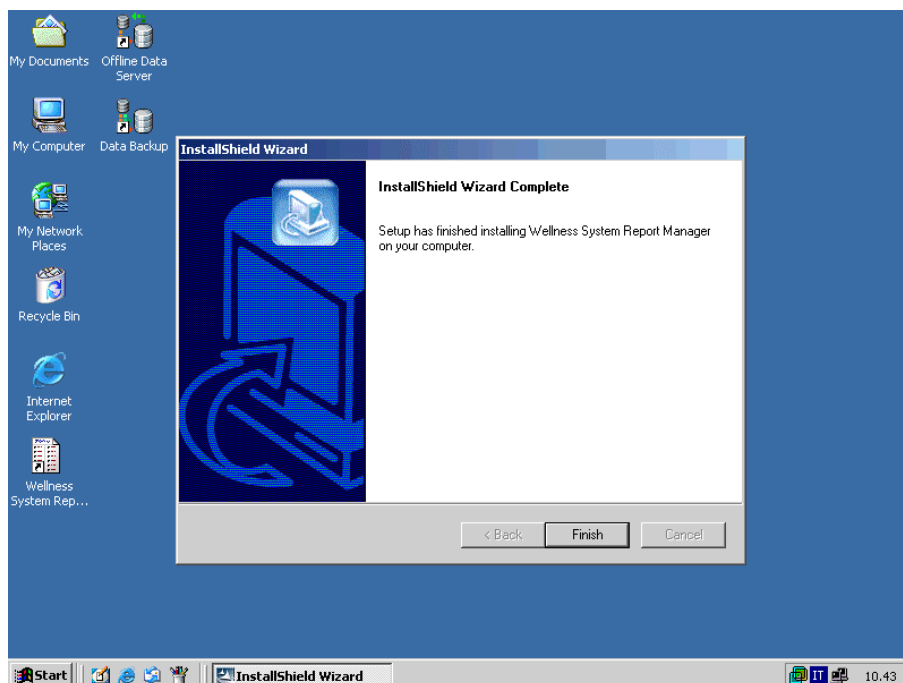


Figure 8.19-6

The installation program prompts the user to reset the PC in order to configure itself correctly and complete the installation. Select “**Yes, I want to restart my computer now**” and click on “**Finish**” button to proceed with the machine reset and restart the system.

8.20. HOW TO ORDER THE INSTALLATION CDS

To receive a copy of the installation CDs for the latest versions of the Wellness Trainer and the Wellness Expert, use order code **A0000033** for the Wellness Trainer CD and order code **A0000032** for the Wellness Expert CD.

To order the installation CDs for other MyWellness SW products, use the generic code **0WE00104**, and then specify the desired SW and version as a note in the order.



It is recommended to always leave the customer a copy of the software installation CDs, both for new installations (in this case the CDs will be those contained in the license pack) and for build updates. These CDs are indispensable during remote support, for reinstating the system in the event that the software needs to be reinstalled. If possible, obsolete CDs should be disposed off.



TECHNOGYM S.p.A.

Via G. Perticari, 20

47035 Gambettola (FC)

ITALIA

Tel.: +39 - 0547 650438

Fax: +39 - 0547 650150

e-mail: service@technogym.com