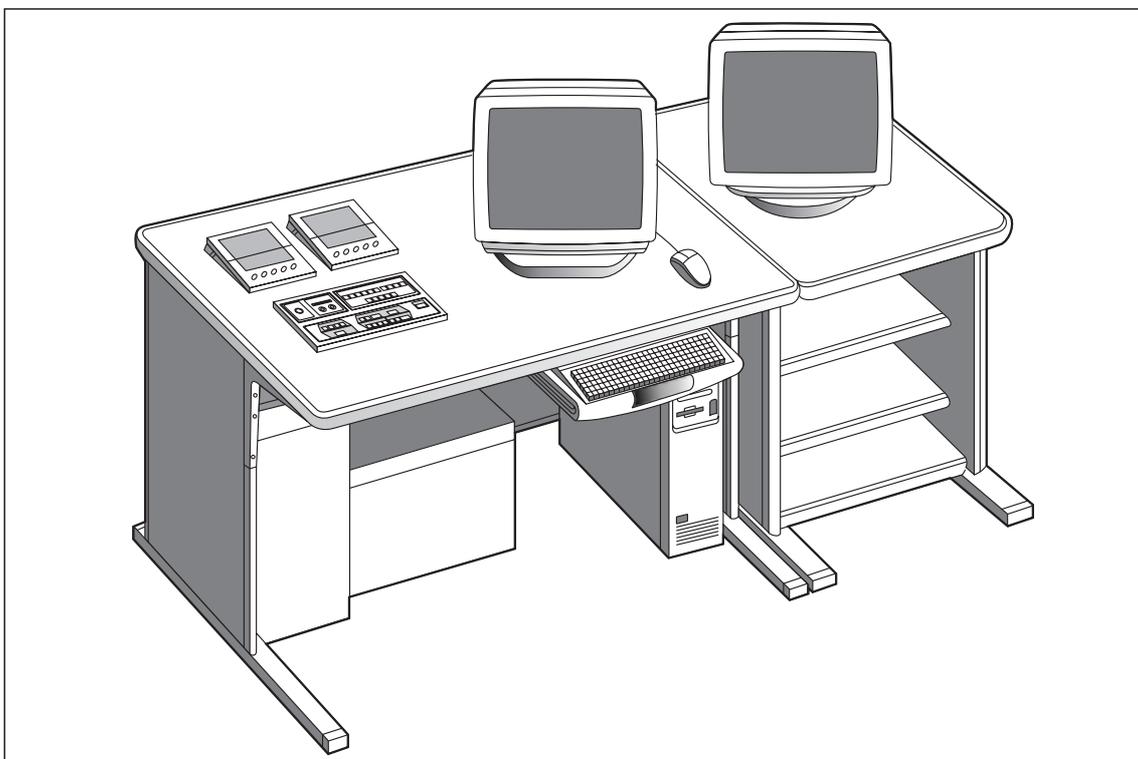


# Operating Instructions

Language Laboratory System  
**WE-LL300 Series**



## **Panasonic**

Before attempting to connect or operate this product, please read these instructions completely

	<b>CAUTION</b>	
RISK OF ELECTRIC SHOCK DO NOT OPEN		
<p><b>CAUTION:</b>          TO REDUCE THE RISK OF ELECTRIC SHOCK,          DO NOT REMOVE COVER(OR BACK).NO USER          SERVICEABLE PARTS INSIDE.          REFER SERVICING TO QUALIFIED SERVICE          PERSONNEL.</p>		

**Note:** LL300 software can only run under Windows 98 system.

These Operation Instructions list model numbers without their suffix.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.

The serial number of this product may be found on the bottom of the unit. You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

Model No. \_\_\_\_\_  
 Serial No . \_\_\_\_\_

**WARNING:**  
 TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

# CONTENTS

FEATURE.....	1
PRECAUTIONS .....	1
NAME OF EACH PART AND FUNCTION.....	2
Master Console .....	2
Teacher Console WE-LL310 .....	3
Master Tape Recorder WE-LM20 .....	4
StudentTape Recorder WE-LB20.....	5
Hearing Unit WE-HU20 .....	6
OUTLINE OF STUDENT SEAT DISPLAY .....	7
FUNCTIONS .....	8
Aural/Oral Lesson.....	8
Conversation Lesson .....	8
Bilingual Lesson .....	9
Hearing Test And Analyzer.....	11
Video Output.....	12
School Name Input.....	12
Class Select .....	12
Program Editing.....	12
Expansion Function.....	14
Voice Communication Function .....	14
Master Tape Recorder Control.....	16
StudentTape Recorder Control .....	16
FLOWCHART FOR OPERATION REFERENCES.....	17
FUNCTION-LESSON MODE TABLE .....	18
BEFORE STARTING THE LESSON .....	19
BASIC LESSON PROCEEDING METHOD .....	21
OPERATING PROCEDURES .....	28
Lesson Beginning.....	28
School Name Input.....	28
Class Select .....	29
Aural/Oral Lesson.....	32
Conversation Lesson .....	35
Bilingual Lesson .....	37
Analyaer .....	41
Hearing Test .....	46
Video Output Function.....	49
Program Edit .....	51
Expansion Function.....	55
Types of Communication Between The Teacher And Students .....	57
Control of MasterTape Recorder .....	65
Control of Master Console .....	67
Control of Student Tape Recorder .....	68
LATE COMER PROCESSING.....	70
PRINT OUT.....	72
LLCONFIG SETTING.....	73
END OF LESSON .....	75



## FEATURE

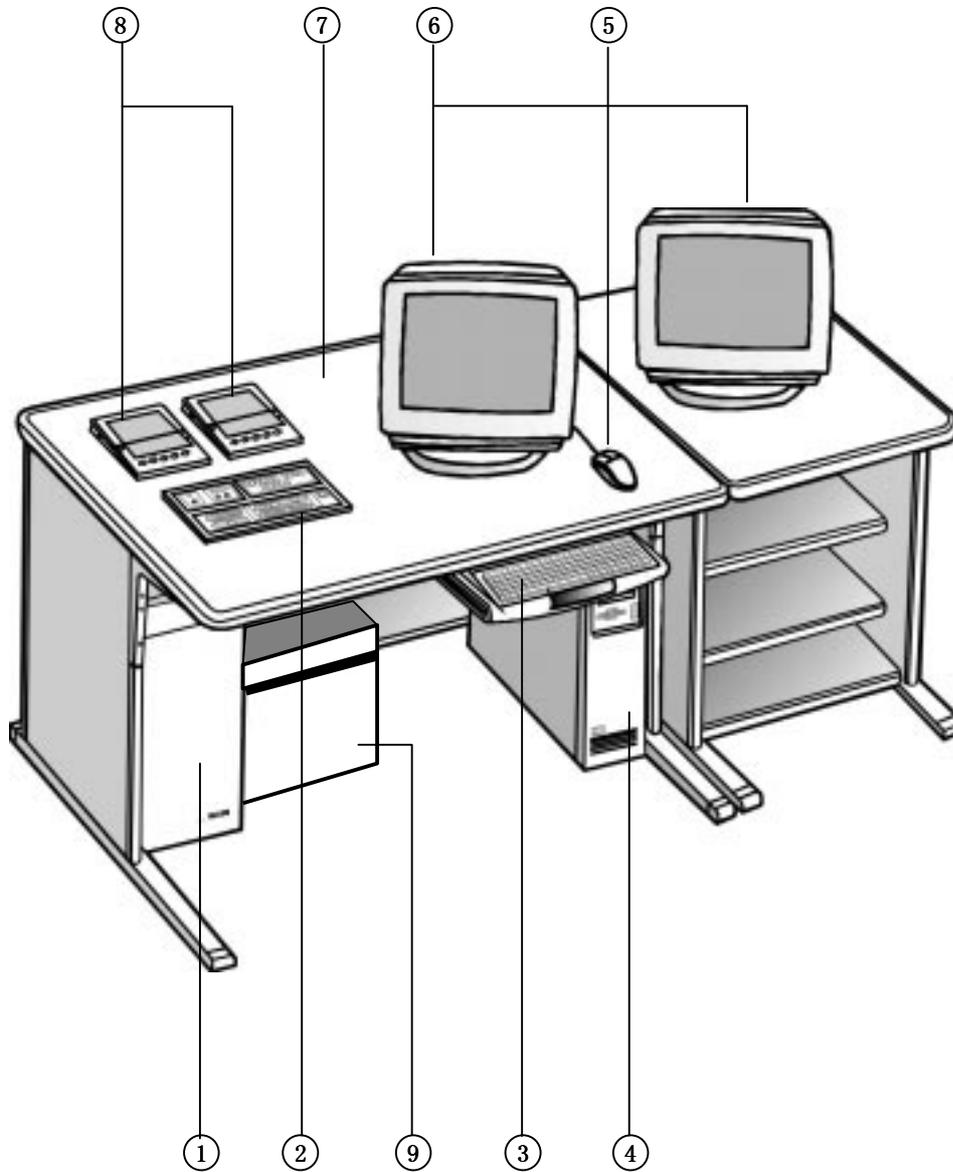
- **Multi-media Function**  
Using personal computer to connect it with the teacher console has realized visualized operation of various functions, being directly perceived the senses and prompt. It has powerful functional expansion ability.
- **Double Displays**  
Enable to realize video output functions such as the word pad, material file, media player and external video, etc. While all operations of various functions are not been influenced.
- **Expert Setting**  
Teacher can quickly and simply realize all functions what he want by changing and setting state.
- **Test Analyzer and Test Date Processing**  
In analyzer lesson, the master console provides total access to all of the students' answer and automatic score summing and other versatile analytical functions. There are five kinds of chart was provided and can be printed.
- **Bilingual Lessons**  
By using a 2-track bilingual tape, students are able to enhance their comprehension of t foreign language while they practice conventional aural/oral exercises. There are four modes as well as the self-study mode. Students can switch to the translation track when they have trouble in understanding the foreign-language text.
- **Video Function**  
There are five lines of video signal input. Enable to send the video signal to the student monitors by operating on the teacher console.
- **Remote Control**  
Enable to remote control the assigned student tape recorder.
- **Program Editing**  
The 4-mode pause editing function allows the teacher to insert a specific pause time unit between individual drills in a monaural program text so that the students can respond to or repeat after the text. Bilingual tapes can also be edited by recording translations on one track, or by using the track exchange, pause insertion, etc.
- **Search Function**  
Enables to search the tape positions of the tape recorder by the tape counter.
- **PRL/SBL Functio**  
To further enhance their consolidated listening comprehension, students can select arbitrary paragraphs or specific sentences, which will be repeated automatically.
- **Online Help**  
Right-click on the operation button, the help information of this button will be displayed.

## PRECAUTIONS

- **Location**  
Avoid placing the LL system where it will be exposed to direct sunlight or near a hot air outlet. Use it in an ambient temperature rang of 0°C to 40°C and at a relative humidity of 90% or less. If the LL system is used in a place where it may be exposed to the too much moisture, dust, or vibration, faults may develop or accidents occur.
- **Do not use wireless communications equipment in the classroom.**  
This system may interface with the wireless system.
- **Cleaning the equipment**  
Clean equipment with dry cloth. If they are very dirty, wipe them with a slightly wet cloth. Use plain or soapy water, then wipe the equipment with a dry cloth. Do not use solvents such as benzine or insecticides because they may change.
- **Correct order to turn off the power**  
Be strict to turn off the power in correct order according to this book, otherwise, the internally stored data stored may be lost.
- **Foreign matter may cause electric shock and faults**  
If metal objects such as pins, hair clips, coins, etc. Fall into the unit, electric shocks or other trouble may be caused.  
If any such metal object should get inside the unit, turn off the power and contact distributor's service station.
- **High voltage caution!**  
There is a high-voltage section inside the rear cover of the teacher console.  
Never attempt to open this cover, as it is extremely dangerous to do so.
- **When the system operates abnormal**  
If the LL system suddenly stops during use, immediately turn off the power and contact distributor's service station. If the teacher console, a monitor display, or student console should get wet, immediately turn of the power and wipe off the unit with a dry cloth. The contact a distributor's service station.  
The operation by the mouse or button should be done after 0.5 sec. Interval.  
Otherwise the next operation may be not continued.

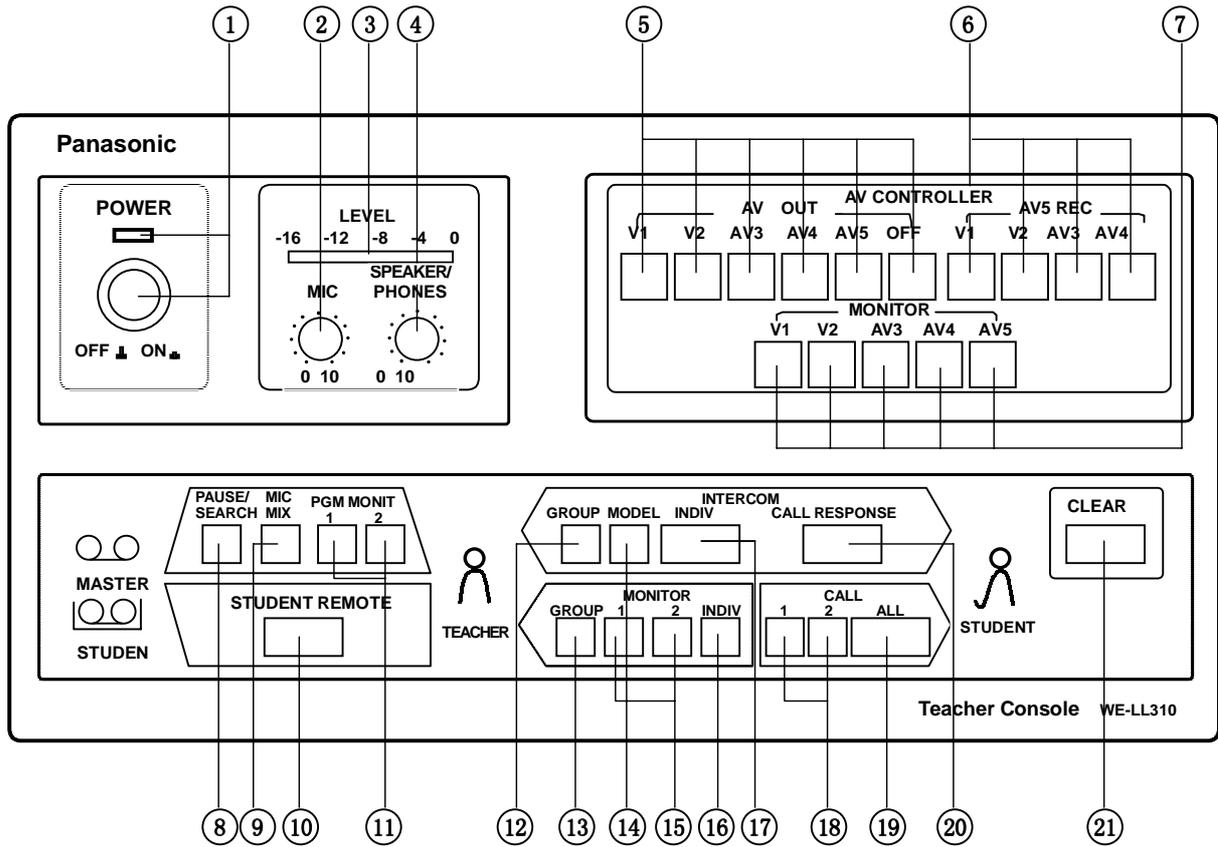
# NAME OF EACH PART AND FUNCTION

## ■ Master Console



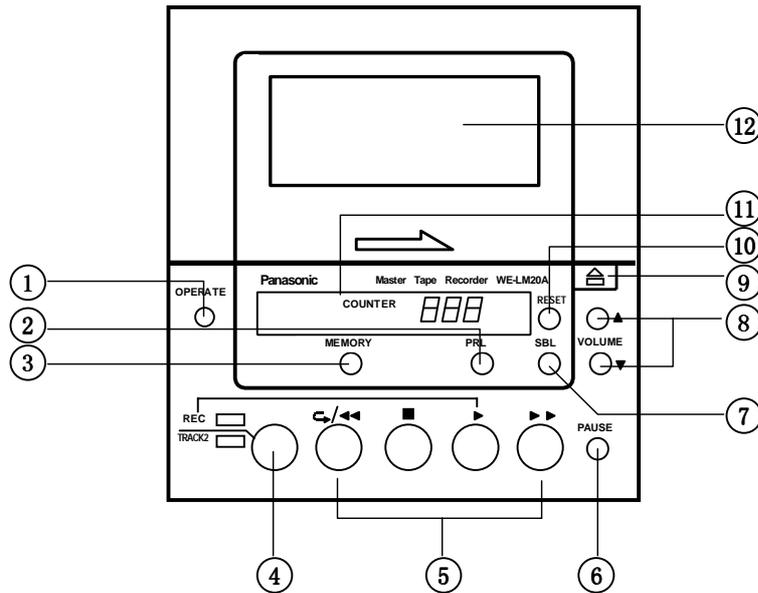
- |                    |          |                         |                |
|--------------------|----------|-------------------------|----------------|
| 1. Control Unit    | WE-LL320 | 6. Monitor              |                |
| 2. Teacher Console | WE-LL310 | 7. Master Control Table |                |
| 3. Keyboard        |          | 8. Master Tape Recorder | WE-LM20        |
| 4. Computer        |          | 9. Power Supply Unit    | WU-PS20 (PS21) |
| 5. Mouse           |          |                         |                |

■ **Teacher Console WE-LL310**



1. **Power Switch and Power Indicator Lamp**
2. **Microphone Volume Control (MIC)**  
This control is used to adjust the microphone volume.
3. **Level Indicator**  
Indicates the volume level for the monitor.
4. **Monitor Speaker/Headset Volume Control (SPEAKER/PHONES)**  
This control is used to adjust the monitor speaker/headset volume.
5. **AV Output Select Button (AV OUT)**
6. **AV5 Record Select Button (AV5 REC)**
7. **AV Monitor Select Button (MONITOR)**
8. **Pause/Search Button (PAUSE/SEARCH)**  
This button is used for menu display of the pause control, search function and manual pause for the master tape recorders 1 and 2 on the display.  
The display disappears when "↓" is clicked.
9. **Microphone Mixing Button (MIC MIX)**  
This button is used for mixing the teacher's voice with the teaching materials.
10. **Student Remote Button (STUDENT REMOTE)**  
This button is used for menu display of the student tape recorder remote control on the display.  
The display disappears when "↓" is clicked.
11. **Program Monitor Buttons (PGM MONIT 1,2)**  
To hear a program, press the button corresponding to the channel in use.
12. **Intercom Group Button (GROUP INTERCOM)**  
This button is used for conversation between a maximum of eight selected students and the teacher.
13. **Monitor Group Button (GROUP MONITOR)**  
This button allows to monitor up to eight selected students.
14. **Intercom Model Button (MODEL)**  
This button is used for conversation among a maximum of eight selected students can be heard as an example for all the other students.
15. **Monitor Buttons (MONITOR 1, 2)**  
These buttons are used to select the desired channel, which is monitored sequentially.
16. **Monitor Individual Button (INDIVIDUAL INTERCOM)**  
This button is used to monitor the students individually.
17. **Intercom Individual Button (INDIVIDUAL INTERCOM)**  
This button is used for conversation between the students and the teacher.
18. **Call Buttons (CALL 1, 2)**  
These buttons allow to select the channel of the desired teacher's voice.
19. **All Call Button (ALL CALL)**  
This button allows the teacher to call the all students.
20. **Call Response Button (CALL RESPONSE)**  
This button is used when the teacher responds to student's calls.
21. **Clear Button (CLEAR)**  
This button is used for releasing the mode.

## ■ Master Tape Recorder WE-LM20



### 1. Operate Button (OPERATE)

Turning on the power of the teacher console also automatically turns on the power of this tape recorder.

While the power of the teacher console is turned on, the power of the master tape recorder cannot be turned off, even if this button is pressed.

### 2. Paragraph Repeat Listen Button (PRL)

Plays back a desired section on the tape (up to twenty minutes) five times.

When this button is pressed once during playback the "┌" mark appears on the tape counter to indicate the start of the desired section.

When the button is pressed again, the "└" mark appears on the tape counter to indicate the end of the desired section. Then the tape counter displays "┌└" and plays back the selected section repeatedly.

#### Notes:

- The number of times repeated is displayed on the tape counter.
- To release this function, press this button again or press the stop button.

### 3. Memory Button (MEMORY)

Pressing this button memorizes the tape counter value. Pressing it again clears the memory. When the rewind button is pressed while this button is lit. The tape will automatically stop at the position of the memorized counter value.

### 4. Record Button (REC/TRACK2)

Pressing this button simultaneously with the playback button in program editing mode selects recording on both tracks. Pressing this button alone selects recording on track 2

### 5. Tape Buttons (↔/◀, ■, ▶, ▶▶)

### 6. Pause Button (PAUSE)

Pauses this tape recorder.

### 7. Skip Back Listen Button (SBL)

Press this button to play back a sentence repeatedly during or right after a sentence.

The tape is automatically rewound to the beginning of a sentence and then plays it back. This function is repeated continuously until this button is pressed again or playback has been repeated ten times. Then the tape returns automatically to the original mode.

**Note:** The 10-time playback includes the initial playback.

### 8. Volume Buttons (VOLUME, ▲, ▼)

Enable to adjust the volume in eight steps.

The volume level is indicated on the tape counter by pressing these buttons.

### 9. Eject Button (▲)

Ejects the cassette tape.

### 10. Reset Button (RESET)

Resets the tape counter.

### 11. Tape Counter (COUNTER)

Normally indicates the tape position.

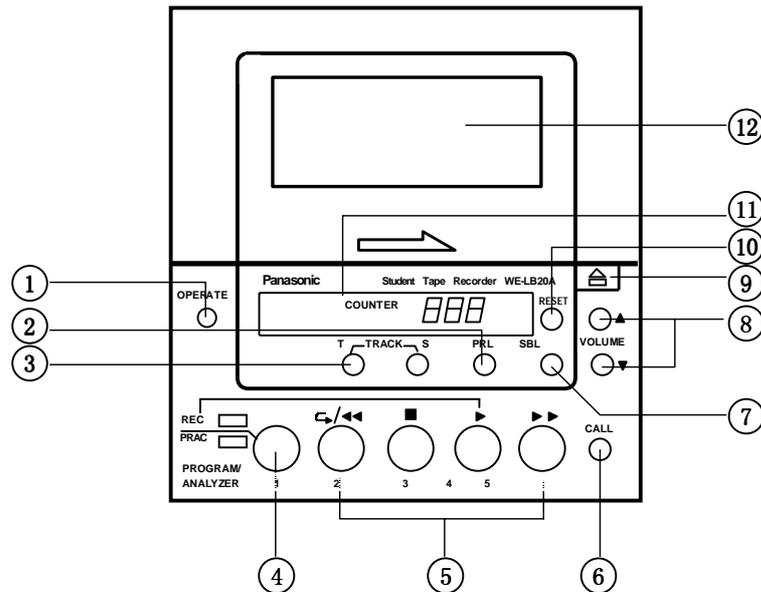
When the VOLUME buttons are pressed, it indicates the volume level for three seconds.

"000" : Tape Counter

"L-4" : Volume Level

### 12. Cassette Cover

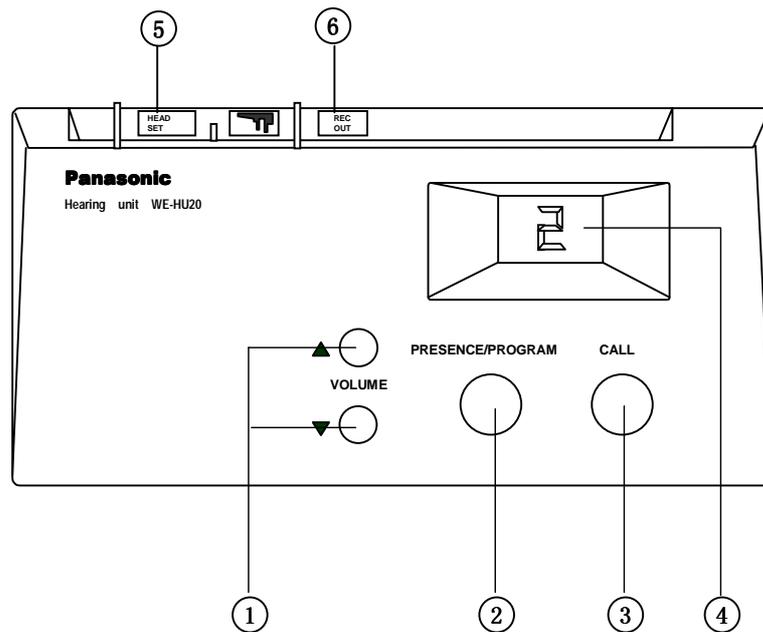
## ■ Student Tape Recorder WE-LB20



1. **Operate Button (OPERATE)**  
This button is used to turn the student tap recorder power on or off.
2. **Paragraph Repeat Listen Button (PRL)**  
Plays back a desired section on the tape (up t twenty minutes) five times.  
When this button is pressed once during playback the “┌” mark appears on the tape counter to indicate the start of the desired section.  
When the button is pressed again, the “└” mark appears on the tape counter to indicate the end of the desired section. Then the tape counter displays “┌└” and plays back the selected section repeatedly.  
**Notes:**
  - The number of times repeated is displayed on the tape counter.
  - To release this function, press this button again or press the stop button.
3. **Track Selection Buttons (TRACK, T/S)**  
Selects the desired tape track during playback in self-learning mode.  
Both Tracks : “T” an “S” Buttons light  
Teacher Track : “T” Button lights  
Student Track : “S” Button lights  
To select both tracks, press the “T” and “S” buttons simultaneously.
4. **Record/Program 1 / Analyzer 1 Button (REC/PRAC/1)**  
Pressing this button simultaneously with the playback button selects recording on both tracks (Program Recording)  
Pressing the button alone selects recording on track2 (Practice Recording).  
These buttons are used to select the program and select answer at the same time.
5. **Tape Buttons (▶/◀, ■, ▶, ▶▶/2, 3, 4, 5)**  
This button normally serves as a tape travel button. It is used for a hearing test button and an analyzer answer button when “P” is selected by the function indicator (11) and as a student selector button for a program when “A” is selected.
6. **Call Button (CALL)**  
Press this button to call the teacher.  
Pressing this button again clears the call, and the indicator lamp goes off.
7. **Skip Back Listen Button (SBL)**  
Press this button to playback a sentence repeatedly during or right after a sentence.  
This function is repeated continuously until this button is pressed again or playback has been repeated ten times. Then the tape returns automatically to the original mode.  
**Note:** The 10-time playback includes the initia playback.
8. **Volume Buttons (VOLUME, ▲, ▼)**  
Enable to adjust the volume in eight steps.  
The volume level is indicated on the tape counter by pressing these buttons.
9. **Eject Button (▲)**  
Ejects the cassette tape.
10. **Reset Button (RESET)**  
Resets the tape counter.
11. **Tape Counter (COUNTER)**  
Normally indicates the tape position.  
When the VOLUME buttons are pressed, it indicates the volume level for three seconds.  
Also indicates the number of the selected program, the select answer No. and the correct answer No.  

“000”	:	Tape Counter
“L-4”	:	Volume Leve
“P-1”	:	Program Number
“A-1”	:	Select Answer No. is 1
“A21”	:	Correct Answer No. is 2
12. **Cassette Cover**

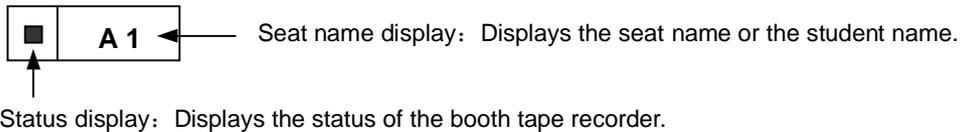
## ■ Hearing Unit WE-HU20



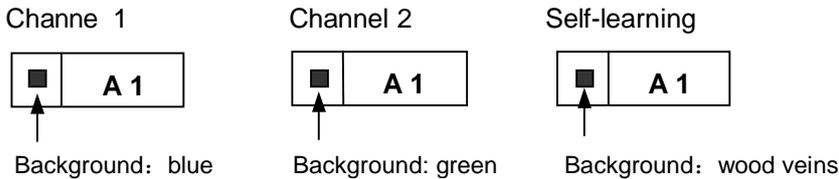
- 1. Volume Button (VOLUME, ▲, ▼)**  
Enables to adjust the headset volume in eight steps.
- 2. Presence/Program Selection Button (PRESENCE/PROGRAM)**  
When this button is first pressed, a student's attendance is registered, and the program LED automatically lights. After that, this button operates as a program selection button.
- 3. Call Button (CALL)**  
Press this button to call the teacher.  
Press it again to clear the call.
- 4. Program Indicator**  
Indicates the number of the selected program.
- 5. Headset Jack (HEAD SET)**  
For connecting the WE-5950 or WE-HS10 optional headset.
- 6. Recording Output Connector (REC OUT)**  
The program audio can be recorded on th tape recorder through this connector.

# OUTLINE OF STUDENT SEAT DISPLAY

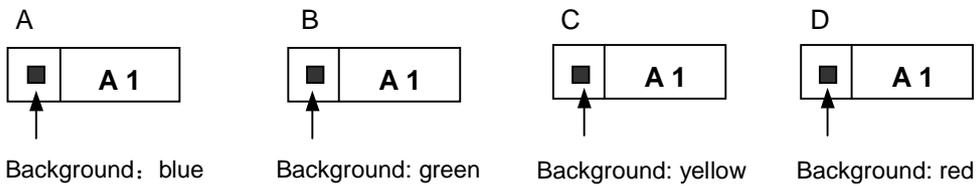
## 1. Student Seat Display



### ● Aural/Oral-Bilingual



### ● Conversation Lesson



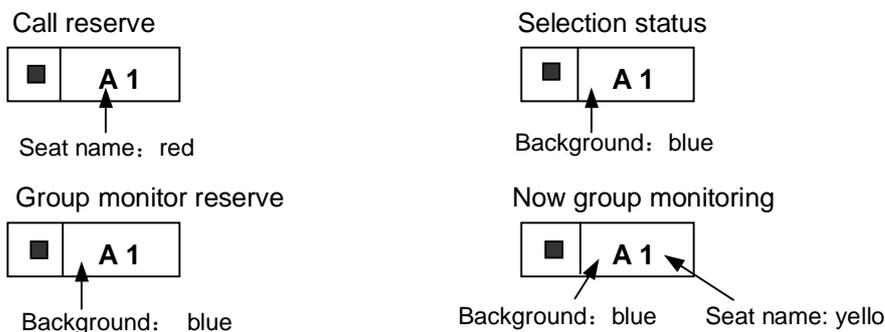
### ● Analyzer/Hearing Test



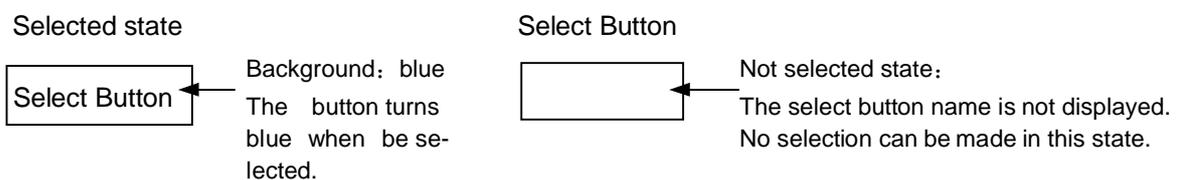
### ● Common to Lessons



### ● Communications



## 2. Select Buttons



# FUNCTIONS

## ■ Aural/Oral Lesson

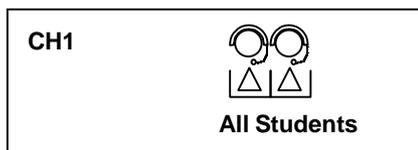
These lessons use materials recorded on tape, and consist of listening exercises (aural) and pronunciation exercises (oral). Lessons can be conducted using two programs simultaneously. Students can be divided in two groups and taught different lessons on CH1 and CH2.

### Student Assignments

Students should use CH1 or CH2 depending on the lessons they are to study. Programs (lesson) can be played and student tape recorder remote control performed on both CH1 and CH2.

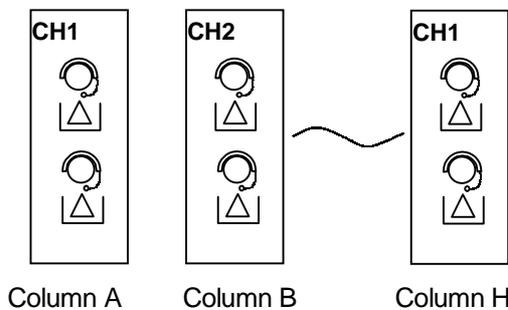
### 1. All 1/2/S

All students belong to CH1 or CH2 and S (which is a self-learning student).



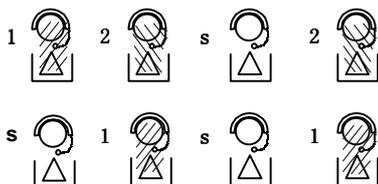
### 2. Column

CH1, CH2 or S can be allocated to individual column.



### 3. Individual

Students can be assigned to CH1, CH2 or S at random.



### 4. Student Select

Students can choose CH1 or CH2.

**Note:** Operations 1 to 3 above are performed by the teacher.

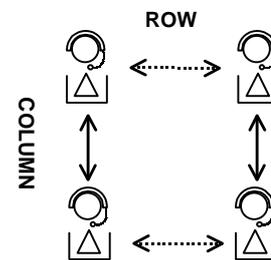
## ■ Conversation Lesson

With these conversation lessons, students can automatically be divided in groups of two or four, and groups can be arranged randomly among eight students.

### 1. Pair Column/Pair Row

Exercises are conducted between one student and the student in front or behind.

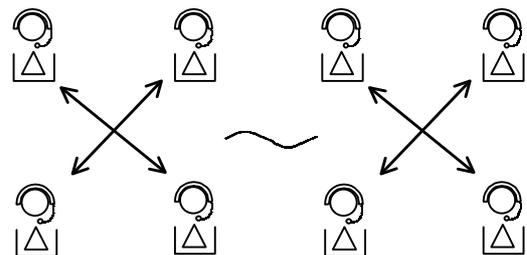
The students thus paired within the marked framework are displayed by the same color.



### 2. Group

Conversation practice can be made by four most adjacent students seated in front and back of each other and to the left and right of each other as a group.

Students of a group within a marked framework are displayed by the same color.



### 3. Manual Setting

If there are eight or ten students in the marked framework, the students once combined for conversation lesson can be freely rearranged manually.

## ■ Bilingual Lesson

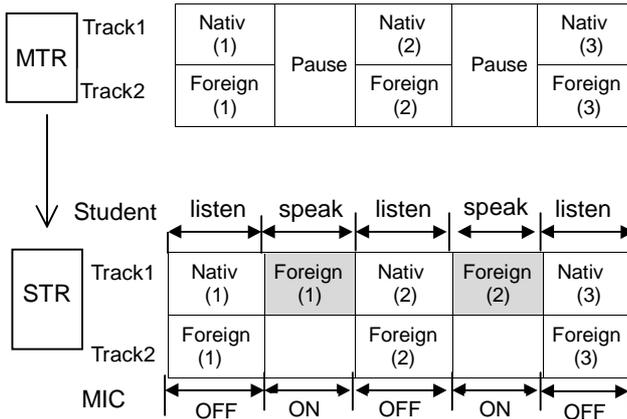
This lesson uses a teaching material. It can be performed by using "bilingual tap" textbook written in two languages.

### What is Bilingual Tape?

A text given in two different languages is recorded on track 1 and track 2 of a tape.

### 1. Bilingual 1 Native into Foreign

Students listen to the voice recorded on the track 1 and attempts to record their interpreted version on it.



### Method of Use and Learning Effects

- This lesson is useful for training basic translating and interpreting ability, and speaking ability as well.
- After lesson, students can compare their translated versions with those of the textbook and check the test results by themselves. They can also compare the pronunciation of themselves with that of the teaching materials and learn to pronounce more correctly and nicely.

### All Lesson (Common to ACC and AA)

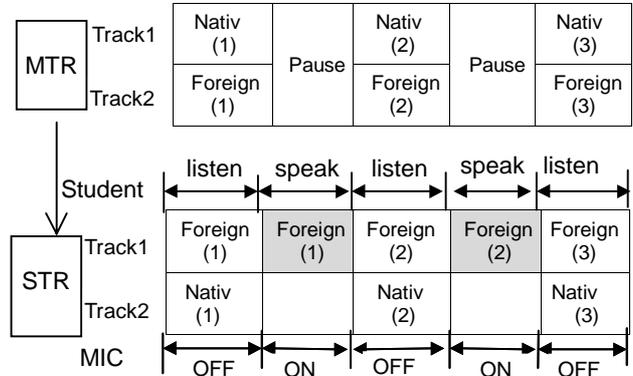
- Students can learn to translate and interpret Native into Foreign by listening Native. This lesson is useful for determining their hearing ability (that is, the degree of understanding Foreign). Application to Foreign composition is also possible.

### Self-Learning (for ACC Only)

- Students can repeatedly learn by arbitrarily operating the tape recorder.
- By hearing a Native teaching material on the track 1, students can try to translate a Native textbook into an Foreign version.
- By hearing an Foreign teaching material, students can compare his or her translated version with the correct Foreign version of teaching textbook. They can give marks to their translations, evaluate the results, correct errors, and check their pronunciation.
- Students can get the meaning by themselves by listening to the Native textbook version and their own Foreign versions while switching the two tracks alternately.
- When the PRAC switch is used, the Native teaching material on track 1 can be played back, and all is erased from the track 2, thereby allowing the student to practice Foreign translation and interpretation on the track 2 again.

### 2. Bilingual 2 Foreign into Native

In this lesson, just the reverse of Bilingual 1 can be practiced. Students can record their translation by inserting a proper pause in between sentences.



### Method of Use and Learning Effects

- This method is highly effective for grasping and memorizing the meaning of Foreign words and phrases while giving emphasis on the practice of accurately listening to the teaching material.
- After lesson, students can compare their translated versions with the correct version of sample translation in the teaching textbook. They can also try to give marks on their versions.

### All Lesson (Common to ACC and AA)

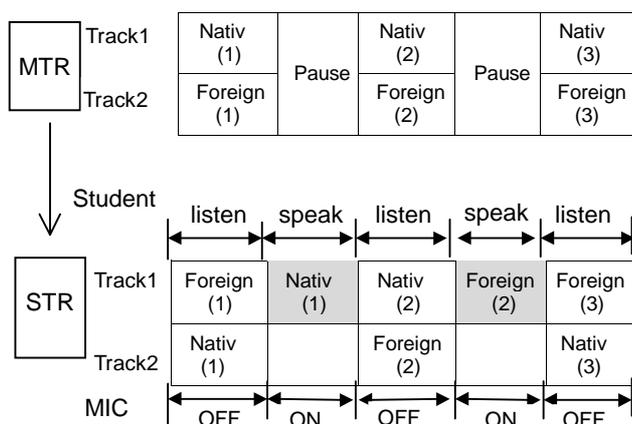
- Students can tell the meaning of Native words and write them by listening to the textbook Foreign.
- Students can grasp and memorize the meanings with the hearing practice done on the taped Foreign textbook.
- Use this high effective method for practicing words and sentences learned through the textbook, etc.

### Self-Learning (ACC Only)

- Students can review hearing time and again and practice on translation from Foreign into Native by listening to Foreign in the taped textbook on track 1.
- After listening to the Foreign textbook on track 2, students can compare the correct Native version with the translation done by themselves. They can also give marks on their translations done, evaluate the results, correct errors, and memorize the meanings.
- Students can practice pronunciation and grasp the meaning by themselves by listening to the Native textbook version and their translated versions while switching two tracks alternately.
- When the PRAC switch is used, the Foreign textbook version on track 1 can be played back, and all is erased from track 2. They can repeatedly try translation of Native into Foreign and pronunciation practice.

### 3. Bilingual 2 Interpreting

Practice can be made by switching the tracks at the end of each sentence.



#### Method of Use and Learning Effects

- Conversation practice can be made as an interpreter. His or her conversational ability can be improved by understanding what the other student speaks, and by answering it properly.
- Conversation practice can be made by grasping the situation and while observing a video teaching material, a TV voice multiplex broadcasting program, etc. and adding his or her conversation with rich emotions.

#### All Lesson (Common to ACC and AA)

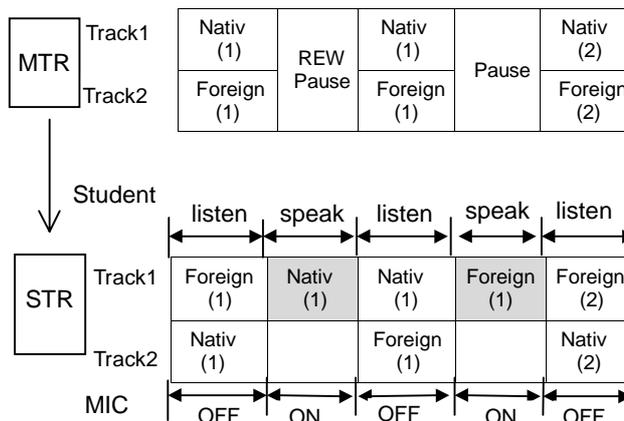
- Students are able to acquire the translating and interpreting ability quite quickly by alternately repeating the lesson of translating Foreign into Native and Native into Foreign. In this case, a situation in which a man or woman can act as interpreter between a foreigner and a Native can be created. By so doing, their flexibility and application power can be increased for a more able interpreter.

#### Self-Learning (ACC Only)

- Students can learn the flow of bilingual conversation by listening to both the Foreign teaching material of track 1 and the corresponding Native version of teaching material.
- Students can compare the taped teaching materials with their interpreted Native version and Foreign version they alternately recorded and give marks to the results by listening the teaching materials on track 1.
- Students can play back the teaching Foreign material and their translated Native version and compare the with one another while switching two tracks.
- When the PRAC switch is used, the track 1 is played back, and erasure and re-recording can be made on track2. So, students can alternately learn a Native version and an Foreign version while grasping the flow of conversation.

### 4. Bilingual 4 Drill

This method makes it possible to learn on sentence on the track 1 first and then the same sentence on the track 2.



#### Method of Use and Learning Effects

- A sample Native version can be heard immediately after an Foreign version. Therefore, students can learn to know the meaning of basic Foreign words. Even a student who uses the LL system for the first time is bound to feel the pressure and resistance of learning Foreign. This method is therefore suited for utilization in a freshman's class such as in junior high schools.

#### All Lesson (Common to ACC and AA)

- In this lesson, the teacher ask students to tell the meaning of a Native word or have them spell it out, just as in the case of the Foreign into Native course (Mode 1).
- The major feature of the drill course is that students can hear correctly translated Native version automatically.
- Therefore, more thoroughgoing study guidance can be offered for a practice closely connecting pronunciation with the understanding of meaning .

#### Self-Learning (ACC Only)

- Students can practice translation and interpretation of Foreign into Native and vice versa by hearing the track 1.
- Students can compare Native and Foreign versions recorded alternately by themselves by hearing the track 2 and give marks to their versions by themselves.
- Students can perform playback, compare the sample with their interpretation, review the results while switching the two tracks. Therefore, both pronunciation and meaning can be simultaneously learnt by so doing.
- When the PRAC switch is used, students can record their pronunciation or Native and Foreign versions alternately on track 2 repeatedly by listening to the sample Foreign versions and the corresponding translated Native on track 1.

## 5. Self-Learning

Students are asked to record a teaching material offered by the teacher on their student tape recorder before and after conducting a general lesson of MODE 1-4. In this way, they can learn themselves for effective pre-study and review. When the SBL function is used, repeated practice of a teaching material (for example, 'This is a pen.' can be made. If they do not understand the meaning, the Native version of this can be confirmed by using the track selector function. This will prove highly effective even for students who are very slow to understand.

## 6. Program Setting

In this form of study, "general study", "self-learning", etc. can be repeatedly made. Also, this method offers a wide variety of study means to allow each student to learn by using the L system. In other words, students can do this by setting a program.

- **All**

Set all the students either to CH1 (program 1) or self-learning (S) mode.

\* In the S mode, it is possible for the students to switch the track.

- **Column**

CH1 and S setting is made for each column.

- **Individual**

CH1 and S setting is made for each individual student.

## ■ Hearing Test and Analyzer

- Check the degree of understanding of students, to begin with.
- Hearing test data and analyzer data (reaction data) can be output to the personal computer.
- In recent years, the hearing test conducted in entrance examinations to universities and high schools is available in two types: one is a problem which requires answering by listening to the broadcasting while watching a picture and the other is a problem which calls for answering while listening to the broadcasting. In these hearing tests, problems suited for this series "Hearing Test" is the form in which selection is asked. Also, this series system is just fit for a hearing test in which a question time is relatively short, or problems are numerous.

### Example of Hearing Test Problems

#### Example:

A Problem Requiring Answers by Listening to the Broadcasting While Watching a Picture.

- A question in regard to the picture is thrown by broadcasting, and an answer is asked by selection (from what has been broadcast or a printed matter.)

#### Example:

Problem Requiring to Answer While Listening to the Broadcasting.

- A short story is broadcast, and each question relating to it is made by broadcasting or on a printed matter. Then selection is asked to make (either by listening to the broadcasting or reading the printed matter).

The operation of hearing test is automatically "reset", "test" or "start", "close" by indicating the "reset" once. Operational mistakes are therefore held to a minimum.

- **Reset**

A preset correct answer No. and an answer No. from the student side are required to be cleared.

- **Start(Test)**

An answer from the student side is accepted.

The "Close", "Reset", and "Start" are automatically made in the hearing test.

- **Close**

The answer from the student side is closed.

- **Channel Change**

The channel to be subjected to an analysis is changed.

- **Analyzer**

All the answers of students can be collected and analyzed. Five charts such as S-P sheet, P-S sheet, S-A sheet, S-P curve and P-S curve are provided to analyze the degree of all the students.

\*—Analyze function is only disappeared in Analyzer.

## ■ Video Output

This function is displayed in AV lesson. It realizes the multimedia function of video and audio.

### 1. Word Pad

Enable to open and edit text file. Enable to send test paper to the students through vide equipment.

### 2. File Material

Enable to run the suitable software and send the disk material to the students through vide equipment.

### 3. Media Player

Enable to use teaching material from CD-ROOM and send the program to the students through vide equipment.

### 4. External Video

Enable to turn the video signal of outside into RGB signal and send the program to the students through vide equipment.

## ■ School Name Input

Enable to login the school name and select th size and fonts of school name.

## ■ Class Select

Enable to login and modify the class, the nam of teacher.  
 Enable to login and modify the student name of every class.  
 Select the name of attending class.

- The name of students will be displayed in the seat name if a class was selected.
- The seat name will be displayed if there are no class selected.

## ■ Program Editing

Nine automatic editing functions can be used t automatically prepare the lesson tapes. This includes the Bilingual Tape Preparation mode.

### ● Monaural Editing

- (1) Normal Copy
- (2) SP Copy (Sentence + Pause)
- (3) SSP Copy (Sentence + Sentence + Pause)
- (4) SSPS Copy (Sentence + Sentence + Pause + Sentence)
- (5) SPSP Copy (Sentence + Pause + Sentence + Pause)

### ● Bilingual Editing

- (6) Both Track Copy (Stereo Copy)
- (7) Bilingual Tapes Edit
- (8) Track Dubbing Copy

### ● Manual Pause Control Cop

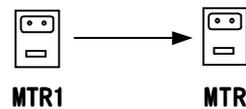
- (9) Pause copy in "Normal Copy" or "Both Track Copy".

The following editing can be done by using the two master tape recorders. The material on master tape recorder 1 is edited to produce new materials on master tape recorder 2.

### 1. Monaural Editing

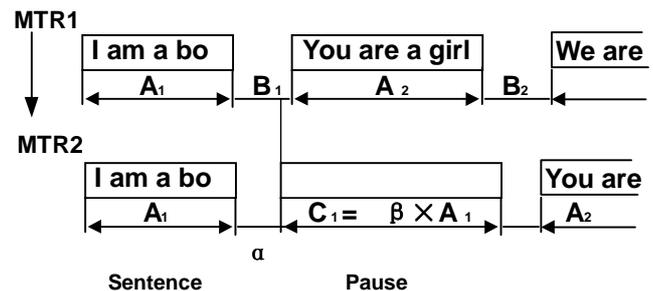
#### (1) Normal Cop

The tape in master tape recorder 1 is copied by master tape recorder 2.



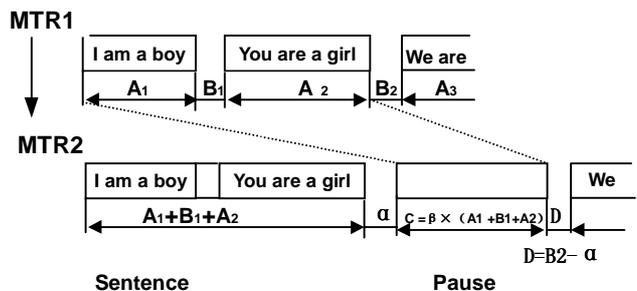
#### (2) SP Cop

You can make a copy of a tape which allows the student some practice time after every sentence.



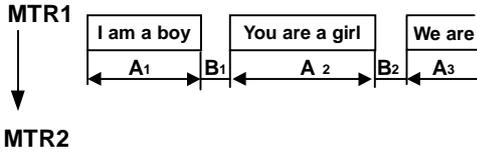
- A = Length of sentence
- B = Pause time
- C = Student practice time ( $\beta \times A$ )
- $\alpha$  = Sentence spacing time (0.5/1.0/1.5 seconds)
- $\beta$  = Scale factor ( $\times 1.0, \times 1.5, \times 2.0$ )
- D =  $B1 - \alpha$

If  $B1 < \alpha$ , and  $B2 > \alpha$ ,  $(A1+B1+A2) = A$ , which produces the editing shown in the figure below.



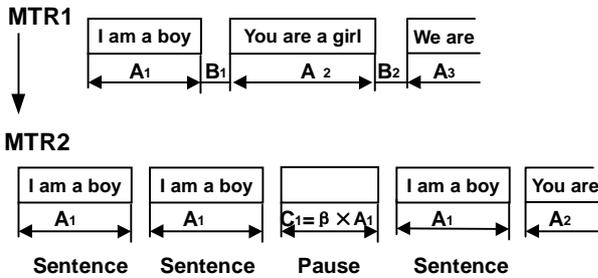
**(3) SSP Cop**

You can make a copy of a tape which allows a student some practice time after the student has heard two sentence in a row.



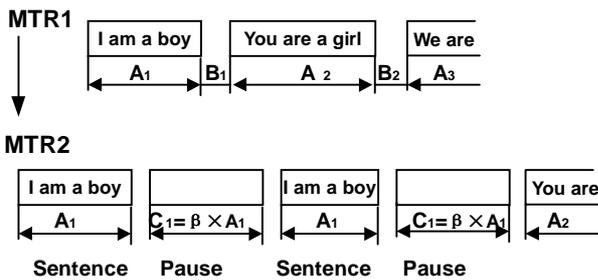
**(4) SSPS Cop**

You can make a copy of a tape which allows a student some practice time after the student has heard the sentence twice and then th sentence is repeated once more.



**(5) SPSP Cop**

You can make a copy of a tape which allows a student time to practice after hearing a sentence, and then you can repeat this once more.

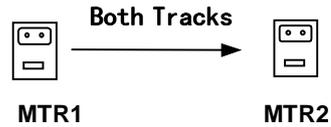


**2. BILINGUAL EDITING**

This mode is used for editing materials to b used for Bilingual lessons.

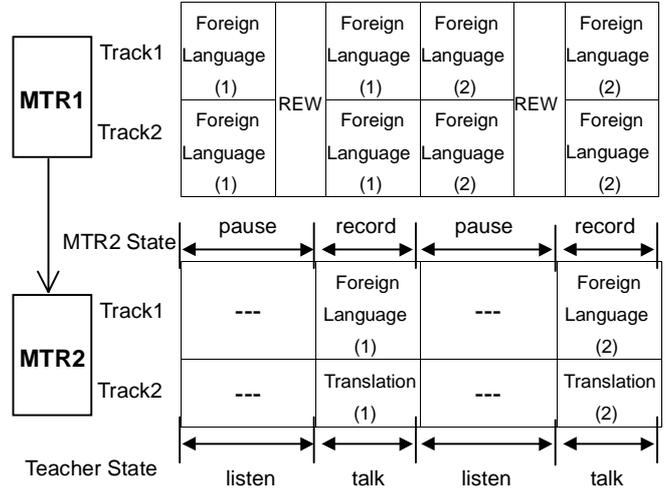
**(6) Both Track Copy (Stereo Copy)**

Both tracks of the tape in master tape recorder are recorded onto the master tape recorder 2.



**(7) Bilingual Tapes Edit**

This mode is used for editing materials to b used for Bilingual lessons.



**(8) Track Dubbing Cop**

Track 1 of MTR1 → Track 2 of MTR2  
Track 2 of MTR1 → Track 1 of MTR2

**3. MANUAL PAUSE CONTROL COPY**

**(9) Pause copy in “Normal Copy” or “Both Track Copy”**

This is used for normal copying and both track copying. Pause can be set for any amount of time at any spot, regardless of the division between phrases.

**4. Assistant Function**

**(1) Parameter**

- Sentence spacing time changes as 0.5S → 1.0S → 1.5S whenever these are pointed.
- Practice time changes as × 1.0 → × 1.5 → × 2.0 whenever these are pointed.

**(2) Sentence Skip**

If these are any audio signals such as sound of siren which you do not need to edit, just copy then and restart designated edit from the next sentence.

## ■ Expansion Function

### 1 Expert Setting

#### ● Scan Direction Setting

The teacher can select the specified scanning direction to select a student, during the execution of intercom individual, monitor individual, by-channel monitor or monitor group.

#### ● Scan Interval Setting

The auto scan interval time of student seat can be set at three steps once again during the execution of monitor individual or by-channel monitor.

#### ● Chime ON/OFF During Call

A chime can be turned on or off at the start of intercom mode. But it can not be turned off at the all call mode.

A chime is sounded at in all cases at the times of a general call.

#### ● Conversion Lesson Pair

This function specifies either the vertical group pair or horizontal pair when moved to a conversation lesson.

#### ● Latecomer In Auto

Enable to select whether the latecomer can take part in the lesson after the teacher has started the lesson.

### 2 Function Select

This function specifies the execution/non-execution of a conversation lesson, bilingual, analyzer, hearing test, student evaluation and call disable/enable.

### 3 LL Set

#### ● System Size (48 SEATS, 64 SEATS, 80 SEATS)

LL system need restart when the seat style is changed.

#### ● Incom STR Stop (ENABLE DISABLE)

Whether the previous action of student tape recorder needs to stop at the time of conversation

#### ● Print Fonts Select

Enable to change the print fonts of the class name charts and analyzer charts through fonts selection.

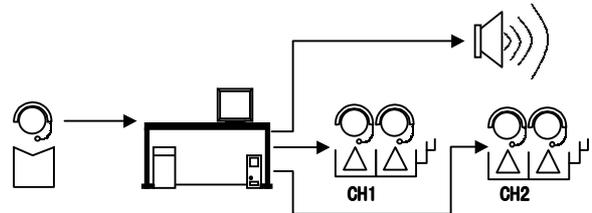
## ■ Voice Communication Function

### 1. Call

The teacher makes a call through a student headset using a microphone.

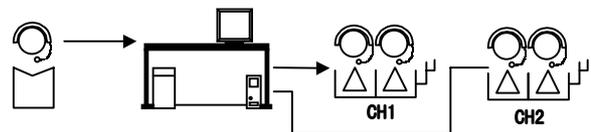
#### (1) All Call

The teacher calls all the students. The voice of the teacher automatically flows into the classroom speaker.



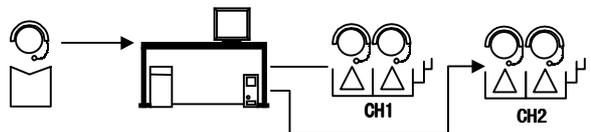
#### (2) Channel 1 Call

The teacher calls the students of CH1.



#### (3) Channel 2 Call

The teacher calls the students of CH2.

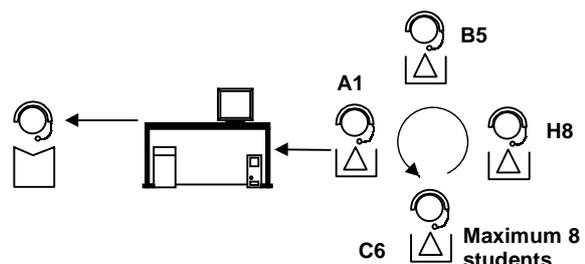


### 2. Monitor

The teacher can hear the voice of students from his side only through headsets.

#### (1) Group Monitor

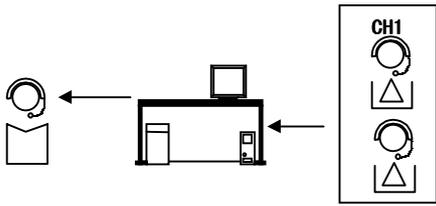
A maximum of eight students are selected, making it possible to sequentially monitor all students at every 10 seconds interval (standard).



Proceed to next student every 10 seconds

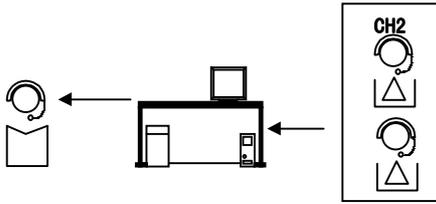
**(2) CH1 Monitor**

Students belonging to CH1 are sequentially monitored at every 10 seconds interval (standard).



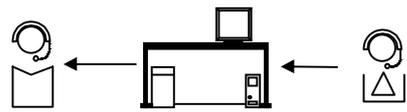
**(3) CH2 Monitor**

Students belonging to CH2 are sequentially monitored at every 10 seconds interval (standard).



**(4) Individual Monitor**

Each student is monitored irrespectively of the channel. The next student is selected whenever this key is pressed. A desired student can be selected irrespectively of the seat sequence.

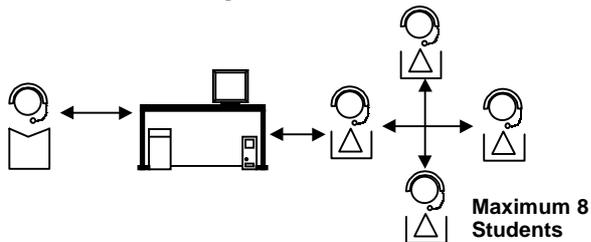


**3. Intercom**

The teacher and each student can communicate with each other.

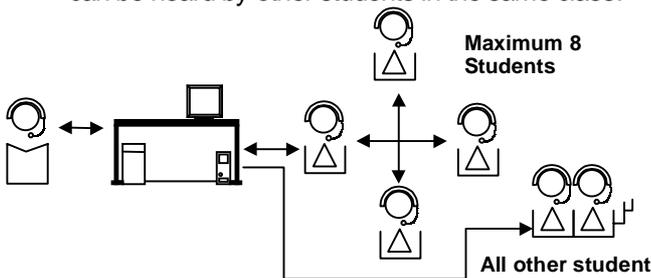
**(1) Group Intercom**

Conversation is made between the teacher and a maximum of eight students selected.



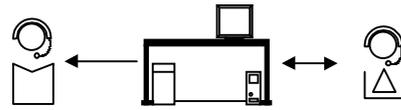
**(2) Intercom Model**

Conversation can be made with a maximum of eight students plus a teacher participated in. Conversation among these students and a teacher can be heard by other students in the same class.



**(3) Intercom Individual**

The teacher and one student only selected can converse.

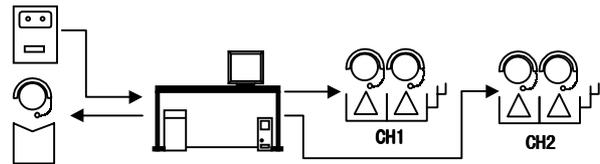


**(4) Call Response (Calls from Students)**

Call can be made to the teacher from each student. The student who made a call to the teacher can be confirmed on the display of the computer and the voice heard. When plural students call simultaneously, this is reserved to make possible conversation with the teacher in order of reservations made.

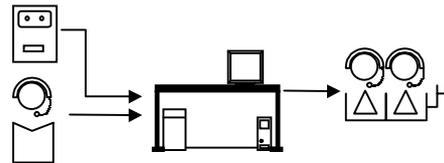
**4. Program Monitor**

The teaching material flowing from the master tape recorder can be monitored by the teacher headset or speaker.



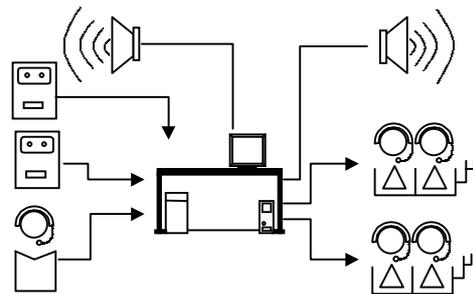
**5. Microphone Mixing**

The voice of the teacher can be transmitted to students by mixing it with the program sound sent out of the master tape recorder.



**6. Speaker ON/OFF**

The ON/OFF control of the monitor speaker and room speaker can be made. A switchover is simultaneously made between both parties.



■ **Master Tape Recorder Control**

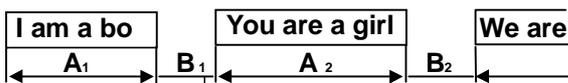
The master console is built compact. It is not therefore necessary to make the remote control of the master tape recorder, but some control manipulations can be made from the computer unit.

1. **Pause Control**

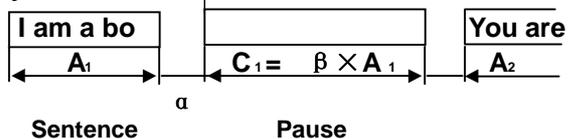
A pause for practice can be automatically made by detecting the beginning and end of each sentence on the master tape recorder which is sending a teaching material out.

The punctuating time to be detected, and the pause time as well, can be set as desired.

Normal play:



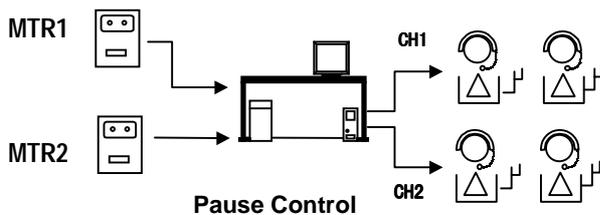
SP play:



- A = Sentence length
- B = Pause time
- C = Practice time
- $\alpha$  = Time for detecting the pause time (0.5, 1.0, 1.5 sec.)
- $\beta$  = Scale reading (magnification factor of pause time) ( $\times 1.0$ ,  $\times 1.5$ ,  $\times 2.0$  times)

● **Application of Pause Control**

When the pause control is made by using two master tape recorders, the corresponding teaching material is sent out on two channels.



2. **Search Function**

High-speed search of the master tape recorder can be made. When the counter reading is set, the tape is moved to as far as the position where search can be made at a high speed.

3. **Manual Pause**

The master tape recorder can be stopped temporarily at a desired position during playback and recording.

■ **Student Tape Recorder Control**

The remote control of the student tape recorder can be made by indication from the menu on the display screen. When CH1 and CH2 have been selected in the aural/oral lesson, these two channels can be remotely controlled independently of each other. While remote control is being made from the teacher side, the tape recorder operation from students is automatically prohibited.

1. **Recording**

Recording from the teacher is remotely controlled. The cassette eject lock is in effect automatically during recording.

2. **Rewinding**

Tape rewinding is made from the teacher side. The student tape recorder is automatically stopped at the end of rewinding.

3. **Stopping**

Tape stopping from the teacher side is made.

4. **Student Operation**

During selection, the afore-mentioned operations can be made from students by themselves.

5. **Automatic Recording**

All operations are automatically made from rewinding the student's cassette tape and placing it into the recording state and to placing the master tape recorder in the play state. A program is recorded on the tape of the student side. Also, the cassette eject lock is automatically made.

6. **Microphone Off**

The microphone of the student can be turned off. Ambient noise introduced from the microphone can be prevented at the time of teaching material recording.

7. **Student Status Display**

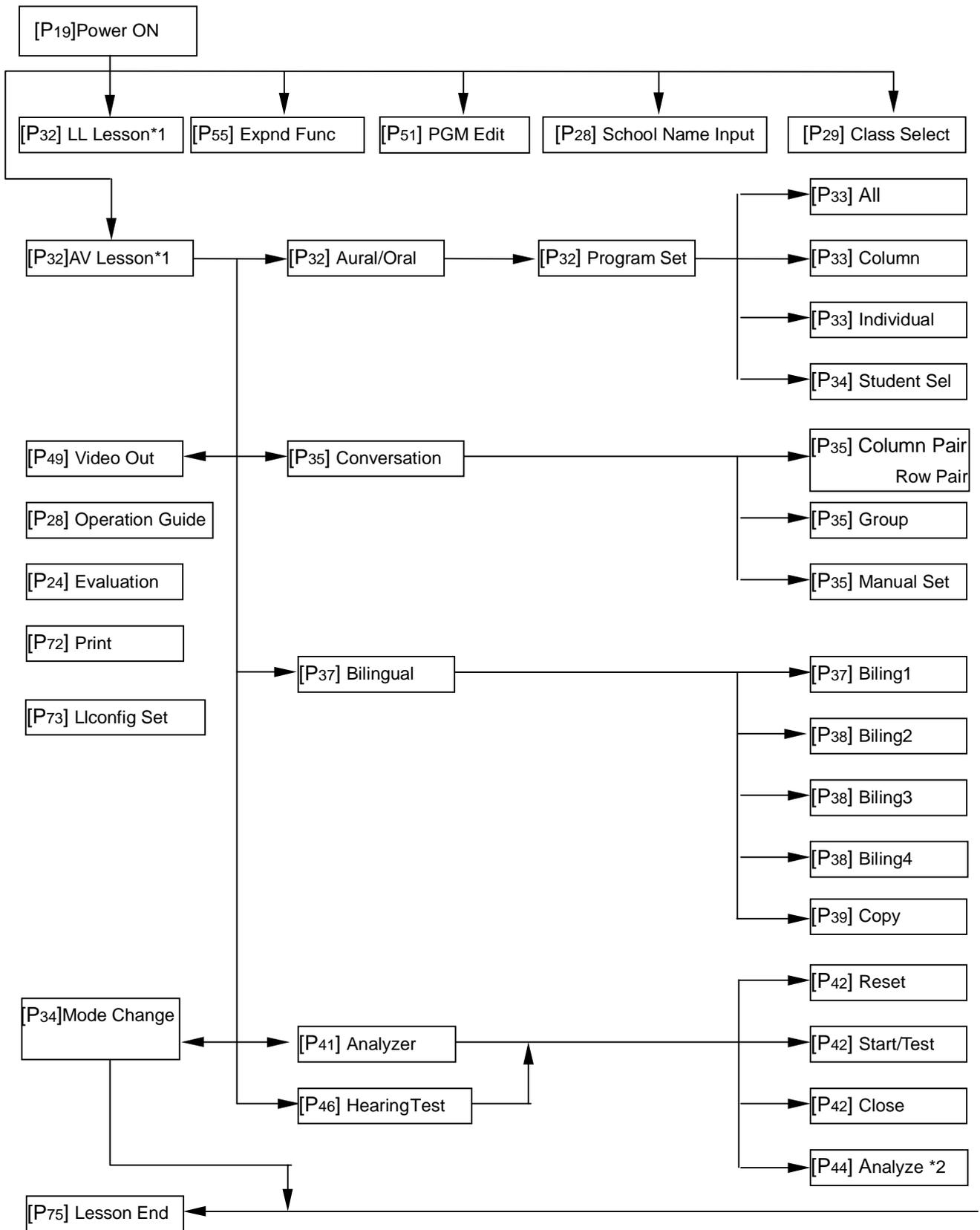
The operation status of the student tape recorder of all students can be confirmed on the display screen.

● **Other Control**

**Power Hold (Automatic)**

- When the power of the student is turned on, the power off is prohibited.
- The power of the master tape recorder is interlocked with the power of the master console, thereby prohibiting the individual power off operation from the student console.

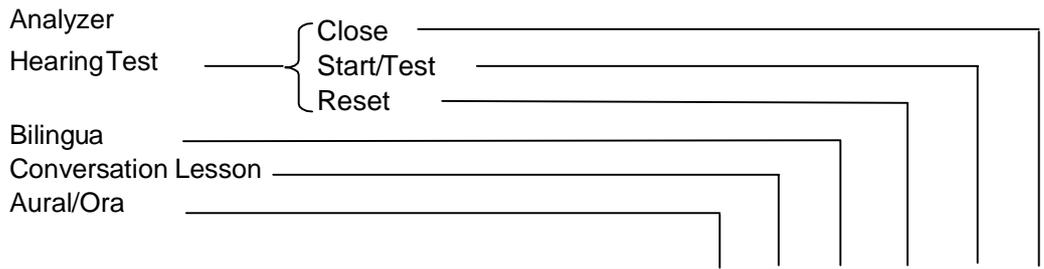
# FLOWCHART FOR OPERATION REFERENCES



\*1 The difference between "LL Lesson" and "AV Lesson" is that there are video output function in the AV lesson.

\*2 Analyze function is a part of "Analyzer", there are no this function in the "Hearing Test".

# FUNCTION-LESSON MODE TABLE



Page	Name	Function	1	2	3	4	5	6	
P57	All Call	Allows to send the teacher 's voice to a students.	○	○	○	○	○	○	
P57	By-channel Call	Allows to send the teacher's voice on certain program channels.	○	×	×	○	○	○	
P57	Group Monitor	Select up to eight students and monitor the practice of each of them for 10 sec. (This time is variable to 5 sec. and 15 sec.)	○	○	○	○	○	○	
P58	By-channel Monitor	Select one student for each program channel and sequential monitor him for 10 sec. (This time is variable to 5 sec. and 15 sec.)	○	×	×	○	○	○	
P59	Individual Monitor	Monitor one student's practice.	○	○	○	○	○	○	
P59	Group Intercom	The teacher can communicate with students up to eight persons.	○	○	×	×	×	×	
P60	Model	Have all students for the same program listen to the conversation between the teacher and students up to eight persons.	○	○	×	○	○	○	
P62	Individual Intercom	The teacher can communicate with one student.	○	○	○	○	○	○	
P63	Call Response	Communications can be made between the teacher and one student.	○	○	○	○	×	○	
P65 P66	MTR Remote Control	Pause Control	Magnification factor of the pause time and the time required for sensing the pause time can be set.	○	○	×	○	○	○
		Search Control	Search can be made based on the tap counter reading.	○	○	×	×	×	×
		Manual Pause	Pause can be manually controlled.	○	○	×	○	○	○
P68 P69	STR Remote Control	Tape Recorder Remote Control	Student tape recorders are remote controlled at the teacher console.(Play impossible during All Call).	○	○	×	○	○	○
		Mic Off	Student microphone sound is cut at time of program recording.	○	×	×	○	○	○
P67	Program Monitor (1-2)	Monitors the program sound.	○	○	△	○	○	○	
P67	MIC Mixing	Mix the voice of the teacher with program sound.	○	×	○	○	○	○	
P67	Speaker ON	Issues sound from the speaker.	○	○	○	○	○	○	
P70	Late Comer Processing	Have the late comer participates in the lesson.	○	○	×	×	×	×	
P24	Evaluation	Evaluate students while monitor individual.	○	×	×	×	×	×	
P41	Correct answer setting(1-5)	Set correct numbers 1-5.	×	×	×	○	○	×	
P48	Correct answer feedback	Feed the preset correct answers back to the students of the corresponding channel.	×	×	×	○	○	○	
	Score Totaling (SCORE)	Add and display the number of correct answers of each student.	×	×	×	×	×	○	
	Analyze	Examine and print the sheets or curves of the student's achievement.	×	×	×	○	○	○	

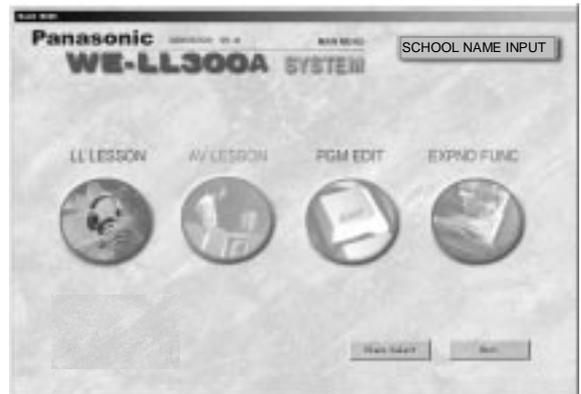
- mark indicates the operation effective
- × mark indicates the operation ineffective.
- △ MTR2 impossible.
- \* Hearing test impossible.

# BEFORE STARTING THE LESSON

## ■ Preparation on the Master Console Side

### 1. Start Up the System via the Following Procedure

- (1) Turn on the power of computer.
- (2) Turn on the power of control unit WE-LL320.
- (3) Turn on the power of teacher console WE-LL310.
- (4) Click the icon of "LLwin" ,the menu of LL system is displayed.



### 2. School Name Input

- Click the "SCHOOL NAME INPUT" and login your school name when you use LL system for the first time.

### 3. Select the Class

Click the "Class Select", the menu of class select is displayed.

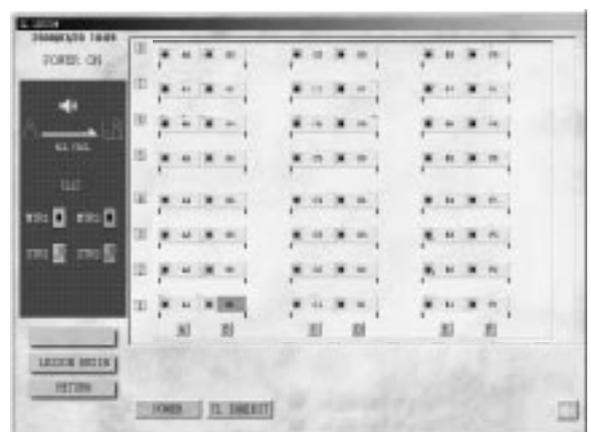
- If the class name is already registered, select the class name first, then click the "CLOSE".
- If the class name is not registered as set, Click the "ADD", then login the class and correlative information.
- Double-click the name of class, login or modify the name of students.
- When the class is not been selected , the seat number (A1,A2,etc) is displayed at the student name display section when the lesson began.



### 4. Adjust the Volume Control Knob of the Teacher Console.

### 5. Check Student ' Attendance

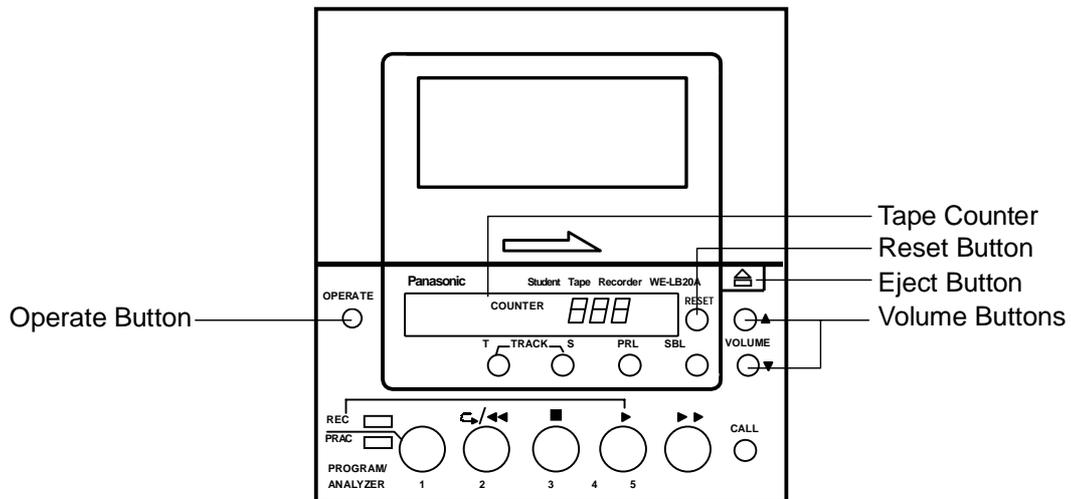
- Click the "LL LESSON", the operation image is displayed.
- The teacher lets students to turn on the power of the student tape recorder via microphone.
- The attendance status is displayed on the screen when the power of the student tape recorder has been turned on.
- After checking the attendance, click the "LESSON BEGIN" and close the attendance registration. Any students who have come after starting the lesson are taken as late comers.
- For information about the process of late comers, refer to page 70 of this manual.



### 6. Set a Tape in the Master Tape Recorder.

## ■ Preparation On the Student Tape Recorder Side

Turn on the power of the master console for “Class Select”.



### (1) Have all the students press the operate button of their student tape recorder.

- Once the operate button is turned on, the power of the student tape recorder cannot be turned off unless the power of the master console is turned off.
- Teacher through the teacher’s console can turn on the power of the student tape recorder.

### (2) Press the “RESET” button of the student tape recorder to clear the tape counter reading to “000”.

### (3) Press the EJECT button of the student tape recorder to open the cassette cover and set the tape in position.

### (4) Press the headset volume button of either the student tape recorder and adjust it to a proper level.

- The volume is switched whenever the button is pressed.

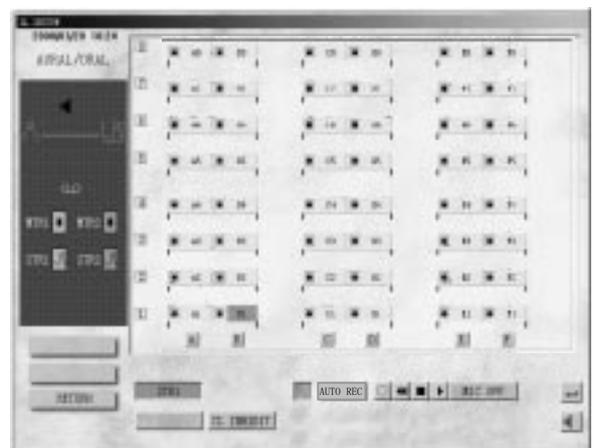
## ■ Record a Program (Teaching Material) on the cassette tape of the student console side.

### 1. Operate the Master Tape Recorder 1 manually to make a search for a program.

- Press the “PGM MONIT1” button.
- Operate the Master Tape Recorder 1 to make a search for a program.
- To clear the ‘program monitor’, press the “PGM MONIT1” button once again.

### 2. Make student control

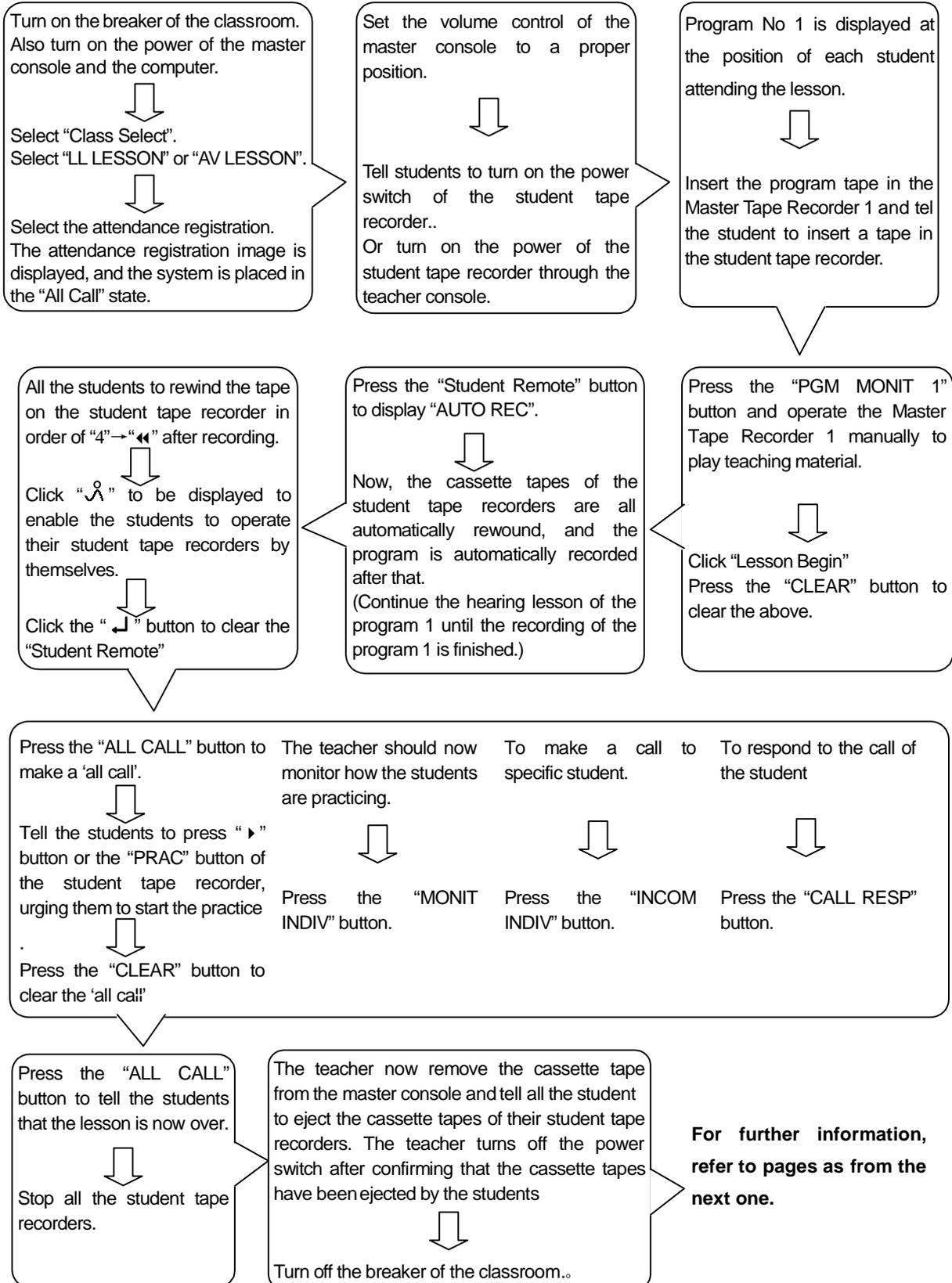
- Press the "STUDENT REMOTE" button.
- The menu of student remote is displayed on the screen.
- Select "AUTO REC", student tape recorders is begin to record the program.
- When it is not desired to record the voice of a student from the headset of the student side during recording, necessary display is made before recording the “MIC OFF”.
- After recording, “5” is clicked, to stop the tape recorder. “ ” is clicked, to make operation by students possible.
- Cause “[ ↓ ]” to be clicked to reset the student remote control.



# BASIC LESSON PROCEEDING METHOD

It is advisable for the persons who use the learning laboratory system for the first time to learn and master the method of conducting a lesson based on the basically used aural/oral method.

## ■ Example of Aural /Oral Lesson

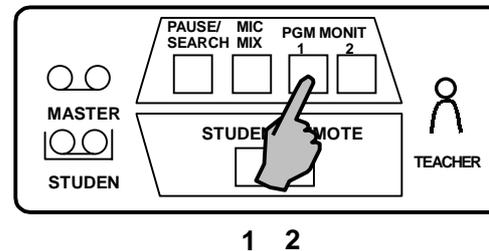


## ■ Start of Lesson

### 1. The Teacher Desires to Listen to the Program 1..... Program Monitor 1

The teacher can listen to the program sound sent from the master tape recorder.  
The program being sent out of the master tape recorder can be heard.

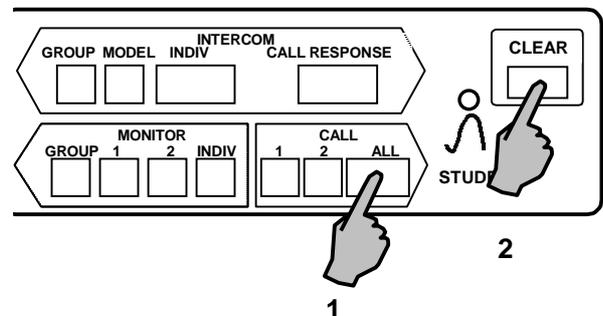
- (1) Press the “PGM MONIT 1” button.  
Program sound can be heard from the headset of the teacher console.
- (2) It can be cleared by pressing the button once again or “PGM MONIT 2”.



### 2. To Let All the Students Hear the Voice of the Teacher..... All Call

All the students can hear the voice of the teacher even while the lesson is in progress.

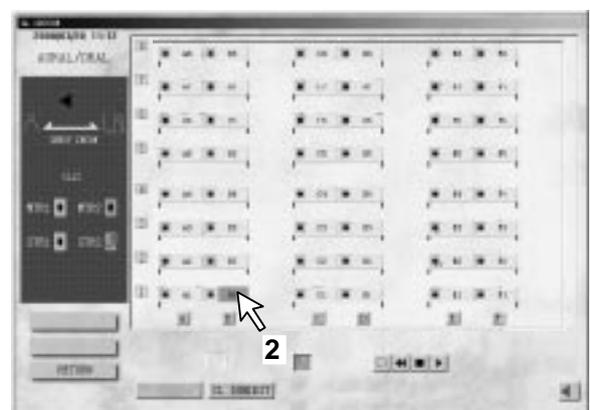
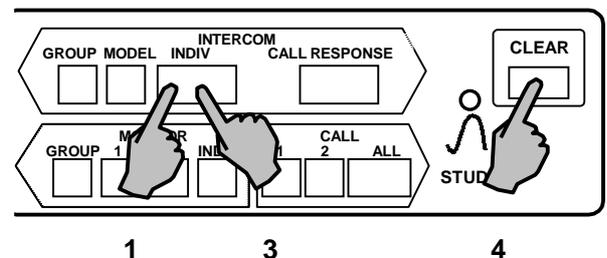
- (1) Press the “ALL CAL ” button.  
The teacher speaks to students using the headset microphone of the teacher console.
- (2) When th “CLEA ” button is pressed, the ‘All Call’ can be cleared.



### 3 For Communicate between The Teacher and a Specific Student..... Individual Intercom

The teacher can communicate with a specific student.

- (1) Press the “INTERCOM-INDIV” button.
- (2) Click the seat section of the student with whom the teacher desires to communicate.  
Communications can be made between the teacher and the specific student.
- (3) Press the “INTERCOM-INDIV” button.  
When the teacher desires to communicate with the student seated next to the now communicating student (A2 when the communicating student is A1 ; B1 when the communicating student is A8).
- (4) The call can be cleared when the “CLEAR” button is pressed.



### Who are the Next Students Seated?

An intercom call or monitor can be made in order of A1 → A2...A7 → A8 → B1...B8 → C1...H8

#### 4 To Know Students' Learning Status..... Individual Monitor

The teacher can monitor each individual student.

- (1) Press the "MONITOR-INDIV" button.

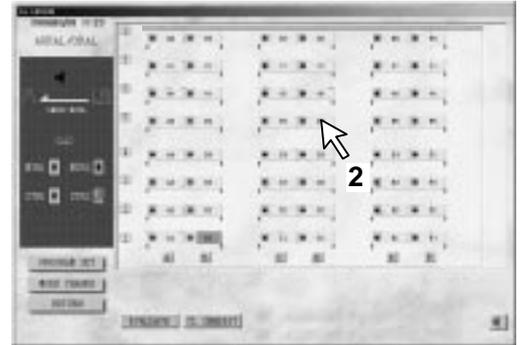
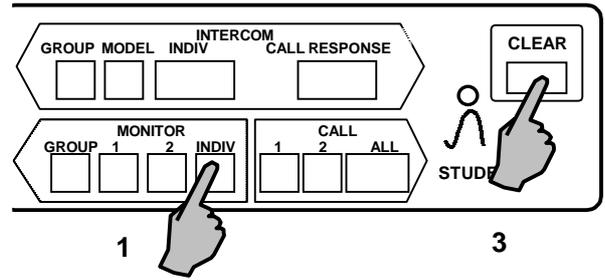
The teacher first monitors the student A1 (or the student next to the one previously monitored).

To monitor the student seated next (A2 if the previously monitored student is A1, and B1 if he is A8), the "MONITOR-INDIV" button should be pressed. (Monitor Scan Function)

- (2) Click the student's seat.

When the teacher desires to monitor a specific student irrespectively of the seat order, the desired seat position should be selected.

- (3) To clear the monitor mode, press th "CLEA " button.



#### 5 When a Student Desires to Make a Question to the Teacher..... Call Response

When a student called the teacher, the teacher should press th "CALL RESPONSE" button t communicate with him or her.

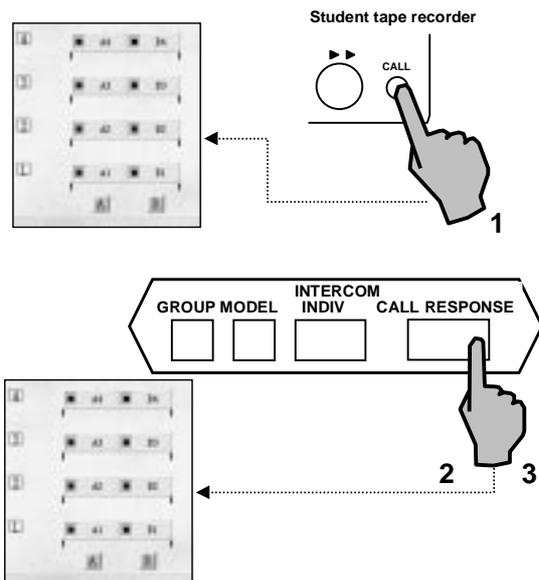
- (1) When a student presses th "CALL" button of the student tape recorder, his or her call can be reserved.

- Calls of up to 80 persons can be reserved.

- (2) The teacher can communicate with the called student by pressing the "CALL RESPONSE" button.

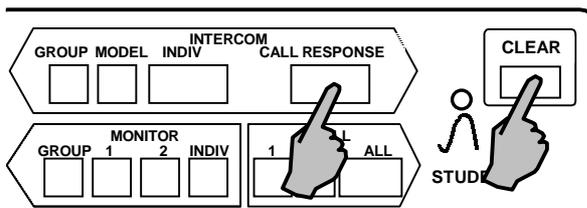
- When the teacher press the "CALL RESPONSE" button once again, he or she can communicate with the reserved student. Communications with the sequentially reserved students can be made each time this button is pressed.

- (3) After communications with all the call reserved students, the call response state is cleared, when th teacher presses th "CALL RESPONS " button.



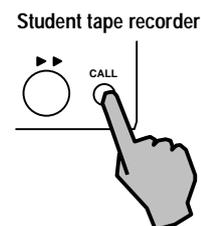
#### Clear the Call Reservation

To clear all the reserved calls from the teacher console



Press the "CLEAR" button while holding the "CALL RESPONSE" button, and then release it.

When the student desires to clear th reserved call of his own.



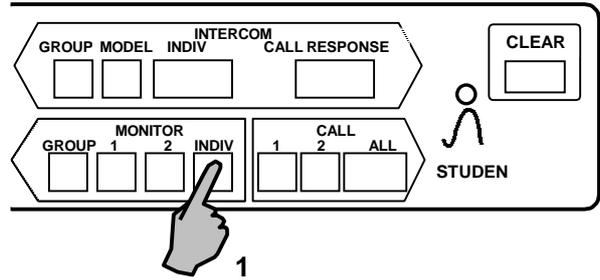
Press the "CALL" button once

## 6. The Teacher Can Evaluate the Performance of Students..... Evaluation

While Making "Individual Monitor".

It is suggested to you the results of evaluation by printing them.

(1) Press the "MONITOR-INDIV" button.



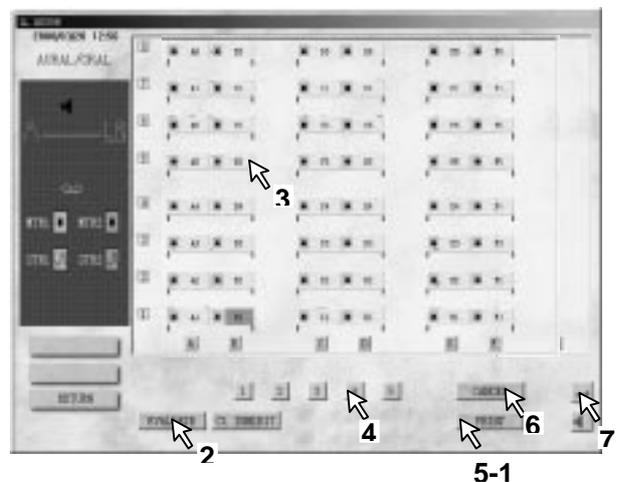
(2) Click the "EVALUATE".

(3) Click the student desired to be evaluated.

(4) Enter the score.

- Repeat steps 3 and 4 to give a score for each student.
- To change the score, click the student and click other score.
- The score once set is held until it is erased, or the learning mode is changed, or else the power is turned off.

(5) Print the results of evaluation.



(5-1) Click the "PRINT".

(5-2) The menu of printer is displayed at the student seat display section. Click the "OK" to be sure that the printer is ready for operation.

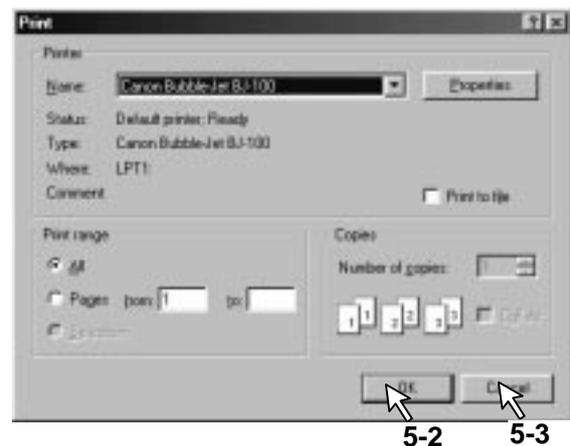
(5-3) To erase the printing, click the "Cancel".

(6) To erase the score of a student

Click the "CANCEL". When this is done, the score of all the students is erased.

(7) End of evaluation

Click the "[↵]". When this is done, the normal lesson is resumed.



## 7. Late Comer Processing

(1) The "L" (Late) mark is displayed when the late comer moves the operate button of the student tape recorder to "ON".

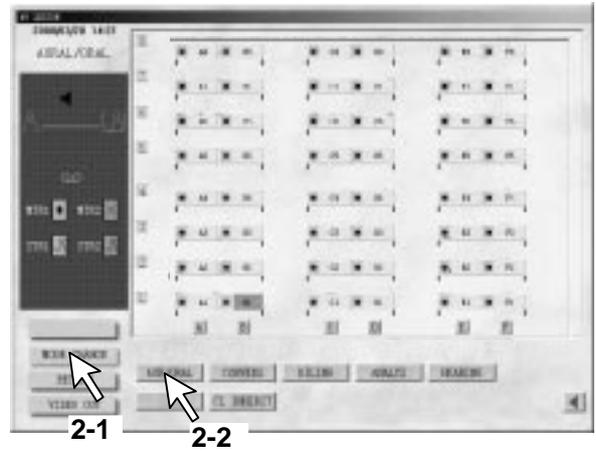
L	A 1
---	-----

student seat

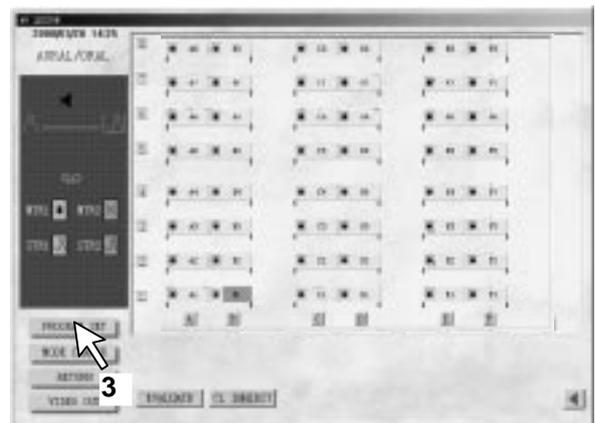
(2) When it is desired to put the late comer (S) in the lesson, first cause the "PROGRAM SET" to be indicated, and then proceed as follows.

(2)-1 Click "MODE CHANGE" in any lesson.

(2)-2 Click "AUR/ORAL".



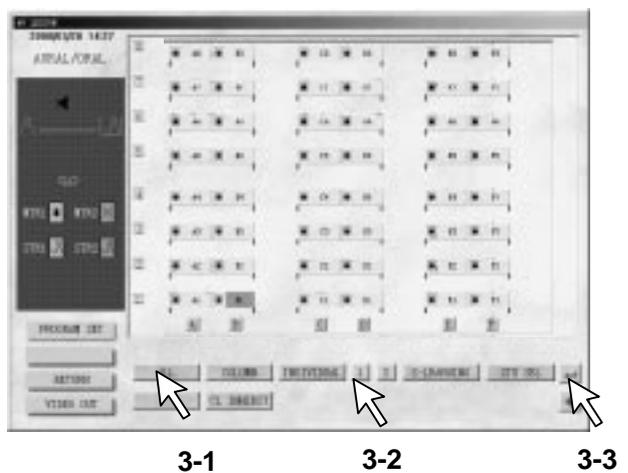
(3) Click "PROGRAM SET".



(3)-1 Click "ALL".

(3)-2 Click either "1" or "2".

(3)-3 Click "┘".



## ■ End Of Lesson

### 1. Remove the cassette tape.

- Remove the cassette tape from the master tape recorder.
- Tell the students to eject the cassette tape from their student tape recorders.

### 2. Bring the lesson to an end.

(1) Click the "RETURN".

(2) Click the "Exit".

(3) When the "PLEASE TURN OFF THE POWER SWITCH OF WE-LL310" is displayed, turn off the power switch of WE-LL310. The picture of LL system will disappear a few seconds later. The computer returns the state of windows.

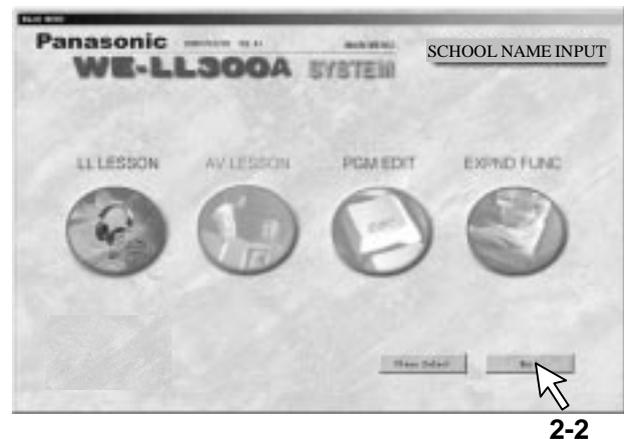
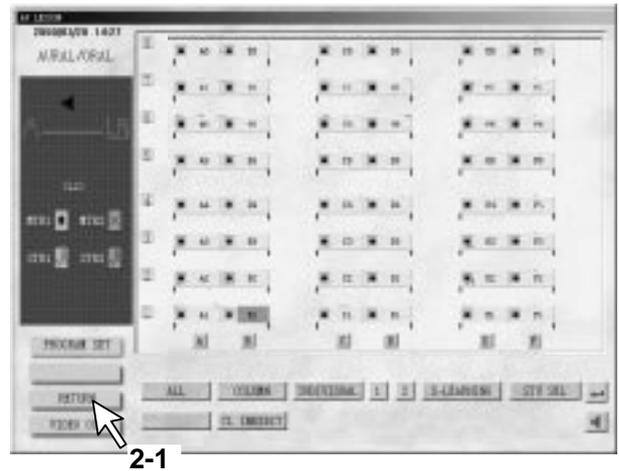
- The power of all the student tape recorders is automatically turned off.
- The power cannot be turned off even with the power switch of the student tape recorders turned off if the power of the LL system is on.

### 3. Turn off the power switch of WE-LL320.

Turn off the power switch of WE-LL320 after the indicator light of WE-LL310 has gone.

### 4. Turn off the computer in normal order.

### 5. Turn off the breaker of the classroom.



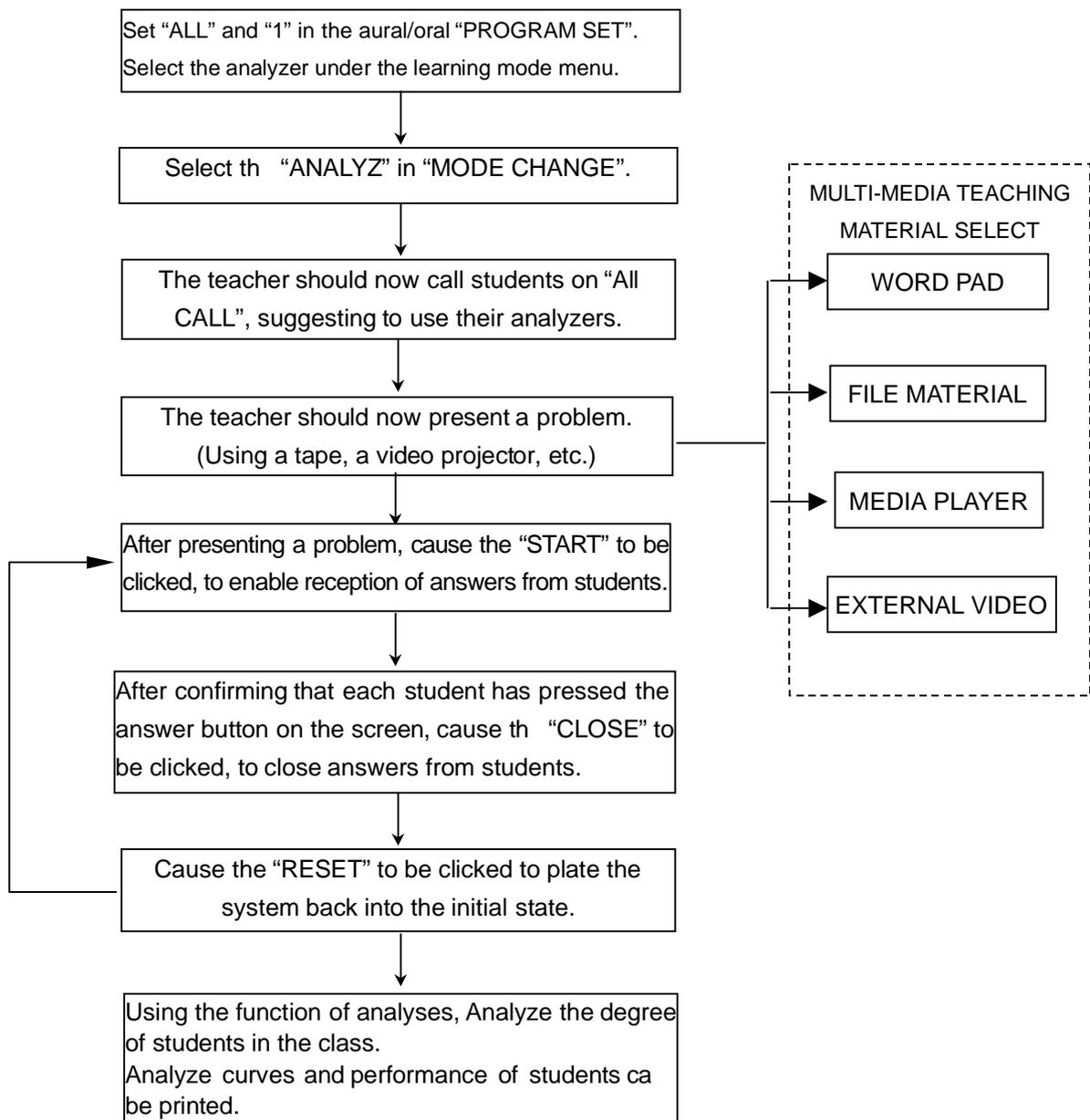
## ■ Example Of Lesson Using An Analyzer

The use of analyzer is suited for indicating problems while confirming the student's answer status.

The use of analyzer is suited for knowing the degree of students through the analyze charts.

In the lesson, to select the "START" button is exactly the same as "CLOSE"," RESET". Therefore, operational errors may be reduced to a minimum.

This method is suit when a problem is too short or there are so many number of problems.



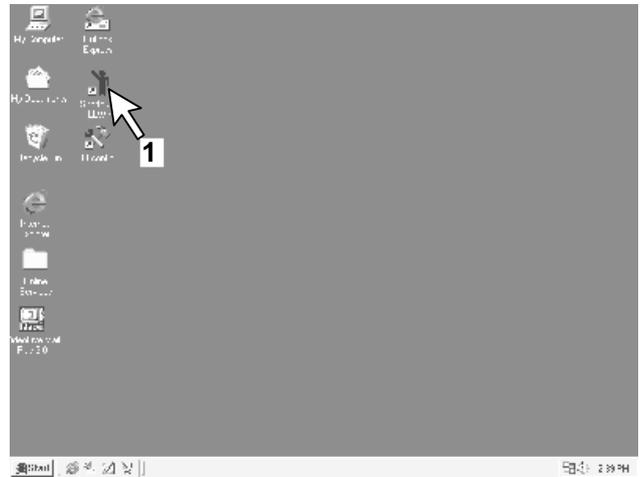
\* Perform the correct answer setting in either the reset or start state.

# OPERATING PROCEDURES

## ■ Lesson Beginning

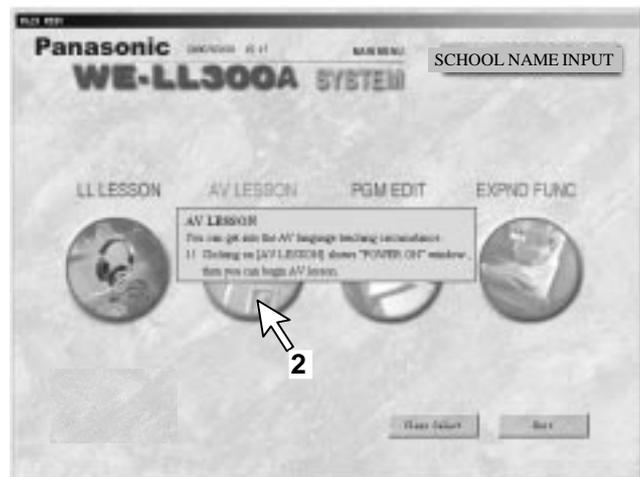
### 1. Enter the LL Lesson

- Turn on the power of the master console.
- Turn on the power of the computer, and enter the Windows system.
- Double-click the icon of “LLwin”, the main menu of LL system is displayed.



### 2. How can get the on-line information

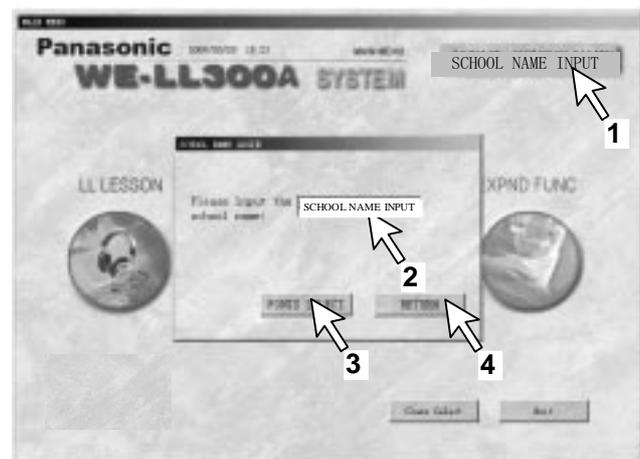
- Move mouse on the operation button and right-click, the help information of this operation button will be displayed.
- You can get the on-line help information on any states.



## ■ School Name Input

Input the school name when the system is used for the first time

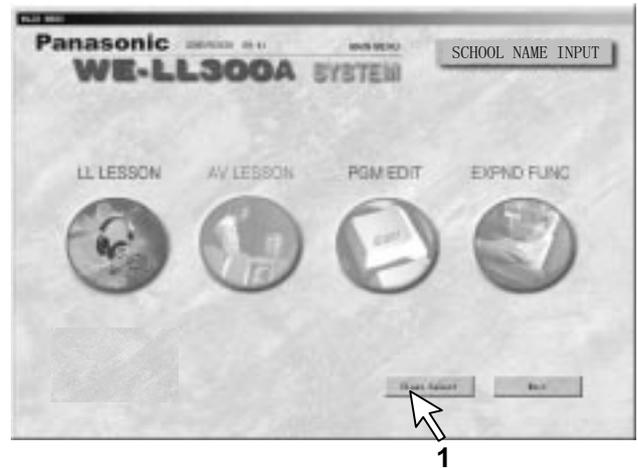
- 1 Click the “SCHOOL NAME INPUT”.  
A pop-up window will be displayed
- 2 Input the school name.  
Click the “RETURN” after the school name is inputted the name of school will be displayed on the position of “SCHOOL NAME INPUT”.
- 3 Click the “FONTS SELECT”.  
Enable to select the style, size, color and effect of the fonts.
- 4 Click the “RETURN”.  
The name of school has been registered successfully.



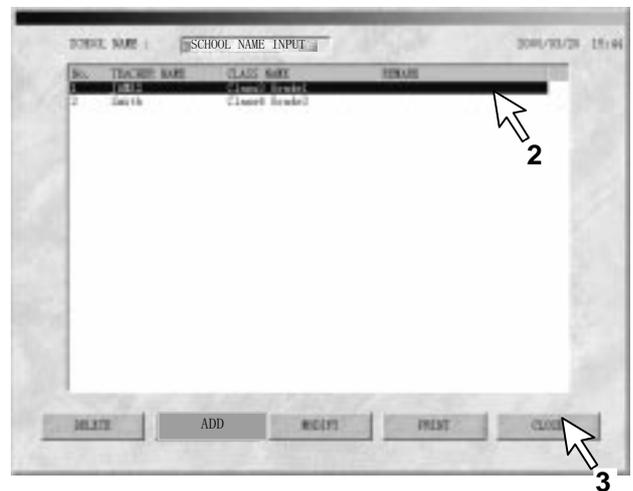
## ■ Class Select

### 1. Select Class

- (1) Click "Class Select" on main menu.



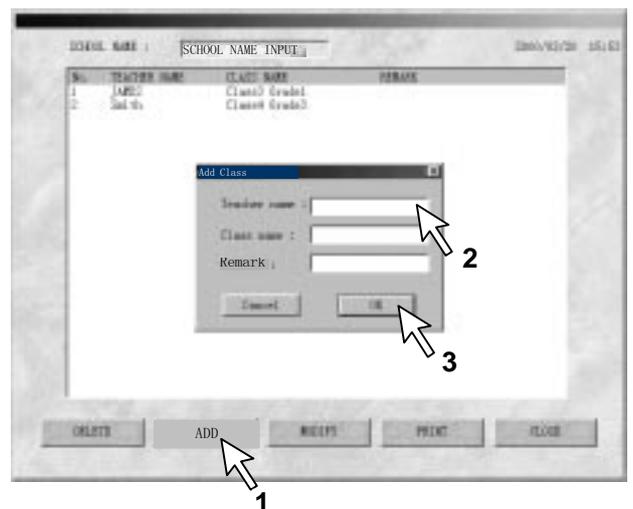
- (2) Click the area of the selected class.  
The color of the class which has been selected turns into blue.



- (3) Click the "CLOSE"  
Now LL system returns main menu state and the class has been selected.

### 2. Registration of new class and the students' name

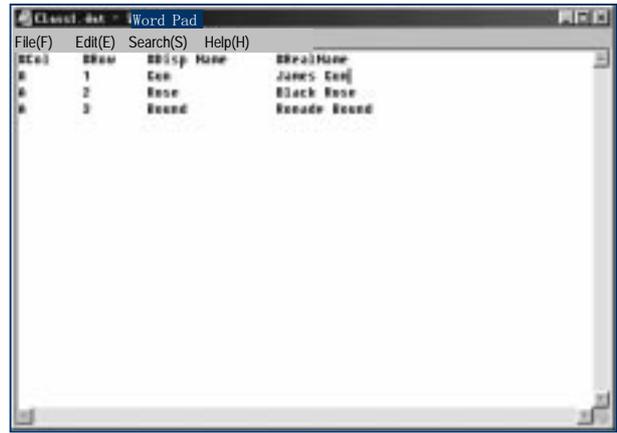
- (1) Click "ADD"  
The menu of "Add class" is pop up.
- (2) Add the name of class and relative information.
- (3) Click "OK"  
The menu which is used to register the students' name is displayed.



(4) Register the students' name just like the Figure on the right.

#Col: Column No.  
 #Row: Row No.  
 #Disp Name: Display Students' Name.  
 #Real Name: Real Students' Name.

- \* There are at most six bytes that can be displayed in the position of student's seat. So that you can input student's name for short in "#Disp Name" and real name in "#Real Name". Real name will be printed when you use printer.
- \* You must press "Tab" button between the information such as Column No, Row No, Display Name and Real Name.



(5) Save the Information

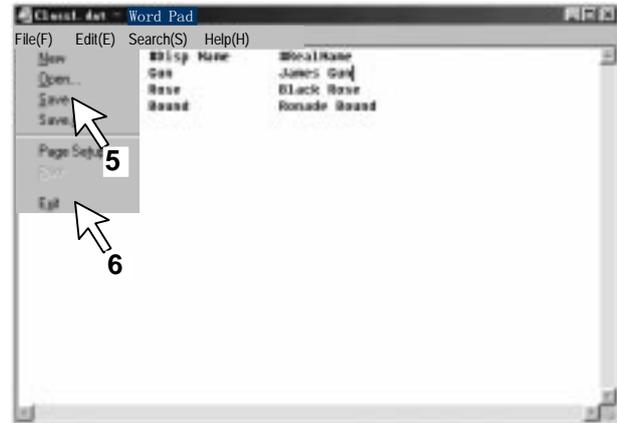
Click the "File", the pop-up windows is displayed just like the Figure on the right;

Move mouse to "Save", left-click to confirm it.

(6) Exit the registration of student's name

Click the "File", the pop-up windows is displayed just like the Figure on the right;

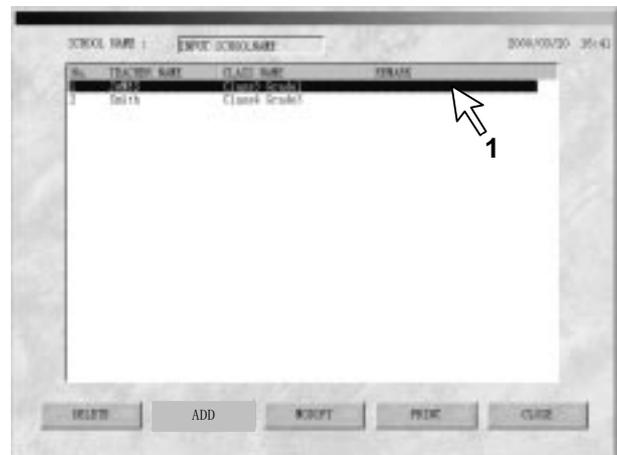
Move mouse to "Exit", left-click to confirm it.



### 3. Modify the Information of the Class

(1) Double click the class that you want to modify.

Students' name and seat number is displayed.

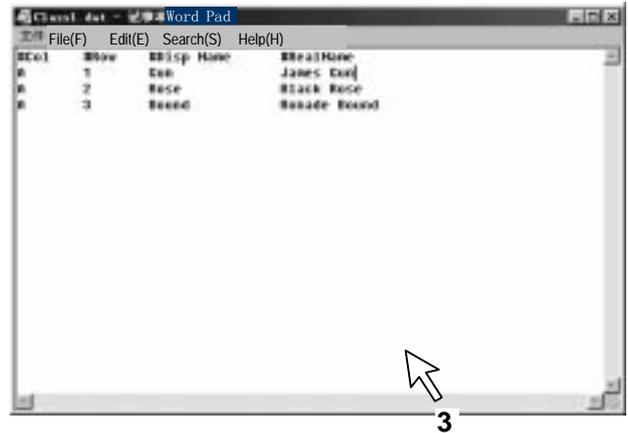


- (2) Click "MODIFY" in the menu just like the Fig on the right.

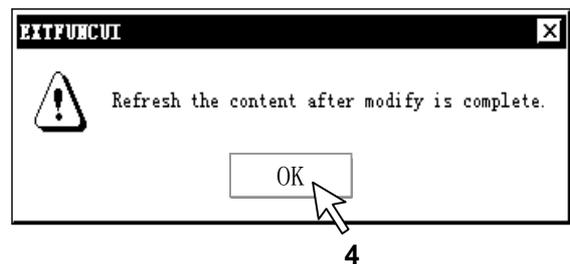


- (3) Modify the students' name and seat number in notepad.

- \* The mode of exiting just like the registration of students' name.
- \* You must press "Tab" button between the information such as Column No, Row No, Display Name and Real Name.



- (4) The information of "Refresh the content after modify is complete" is displayed when exiting the registration of students' name. Click the "OK".



- (5) Click the "CLOSE", the modify of students' name is complete.

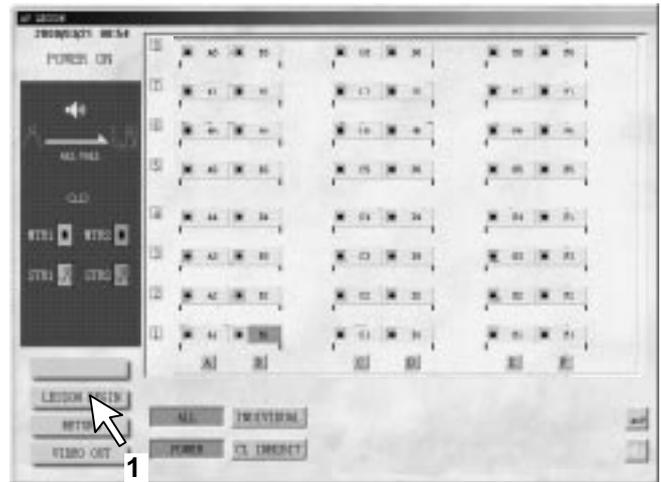
## ■ Aural/Oral Lesson

Hearing and speaking practices are available with maximum two kinds of programs.....Aural/Oral Lesson

### 1. Confirmation Of Presence

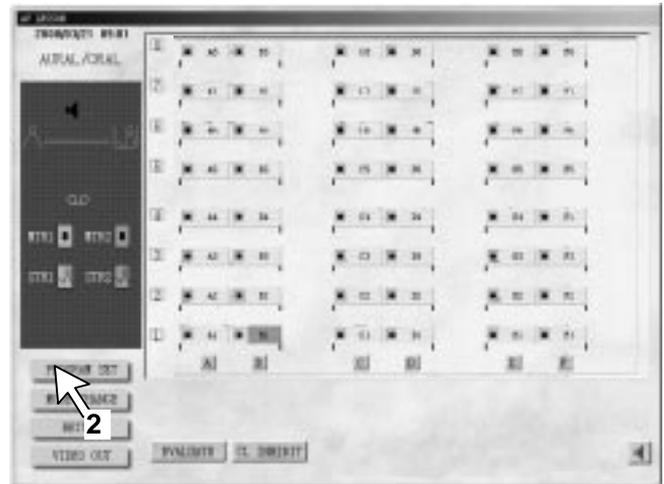
- The attendance status is displayed when the power of the student tape recorder is turned on.
- After confirming the attendance status, click the "LESSON BEGIN" button to close the Attendance Register. The students who joined the lesson later are handled as late comers.

\* For information about the late comer processing refer to page 70.



### 2. Program Number Reassignment

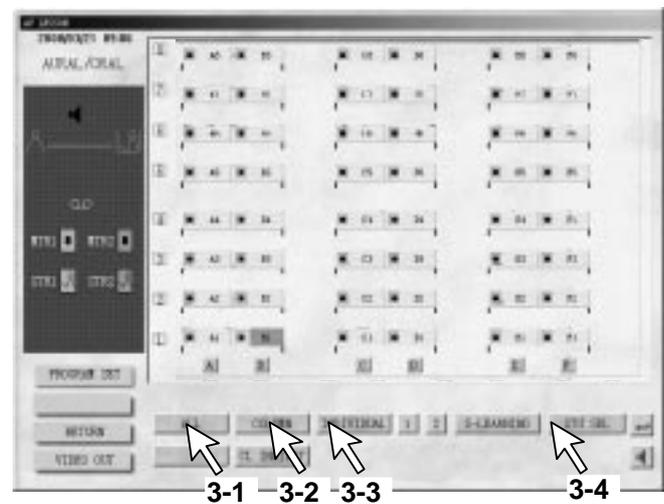
Click the "PROGRAM SE", the menu of program number reassignment is displayed.



### 3. Mode Selection

Select the mode.

- ALL → 3-1
- COLUMN → 3-2
- INDIVIDUAL → 3-3
- STU SEL → 3-4

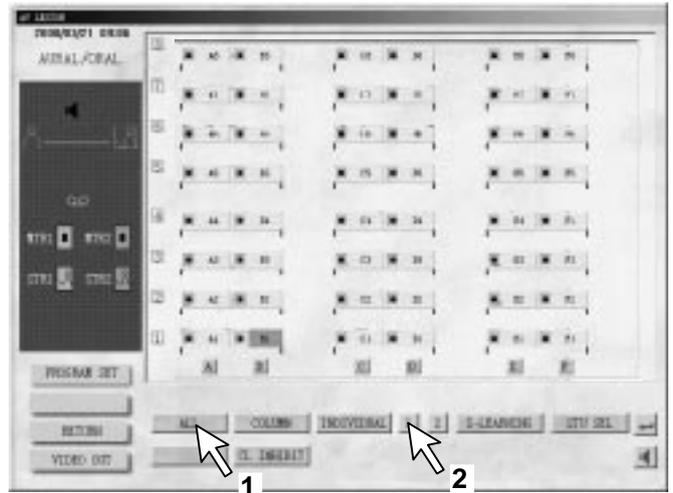


### 3-1 All

To Specify a Single Program No. to All Students.

- (1) Select "ALL".
- (2) Select "1", "2", or "S-LEARNING".

- Student's seat section turns to the corresponding program color (1 is blue, 2 green, and S wood veins), and the corresponding teaching program sound is sent to the student side.
- The voice from the master tape recorder 1 is sent to 1, and the voice from the master tape recorder 2 to 2. To S, no teaching material is sent from the master console, and students make self-learning on the student side using a recorded tape.

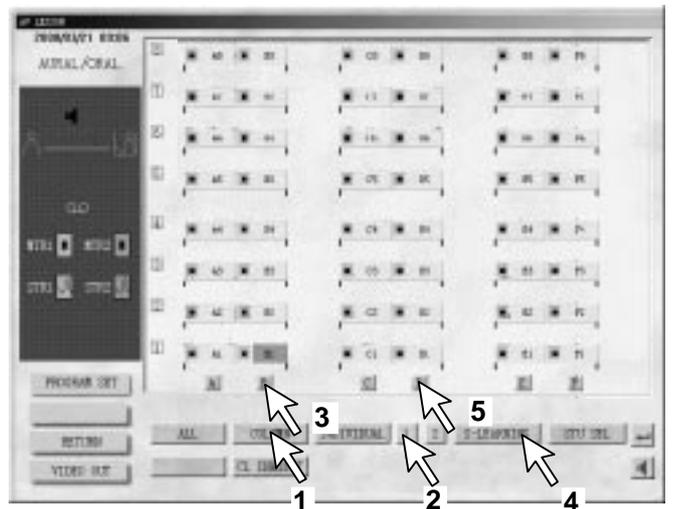


### 3-2 Column

To Specify a Program NO. for Each Column.

- (1) Select "COLUMN".
- (2) Select "1", "2", or "S-LEARNING". ("1" in the figure).
- (3) Select "A-F" of the column symbol. ("B" in the figure).
- (4) Select a new number. ("1", "2", or "S-LEARNING"). ("S-LEARNING" in the figure).
- (5) Select a column symbol. ("A-F"). ("D" in the figure).

- With step 3 or 5, the seat display section No. can be changed, and the corresponding number is also displayed on the student side.

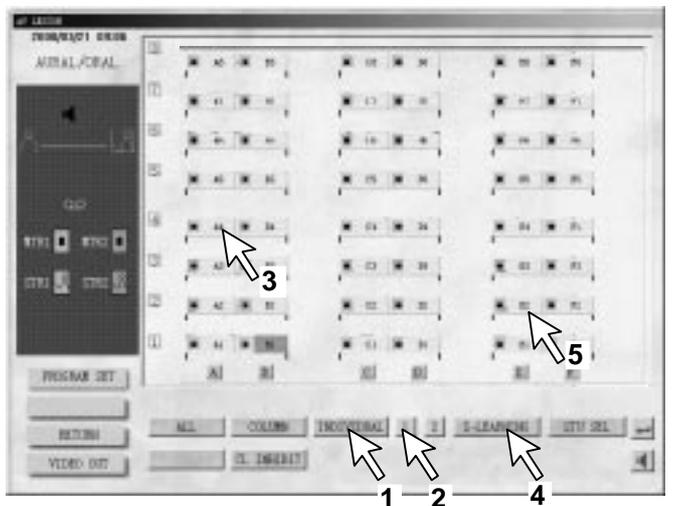


### 3-3 Individual

To Specify the Program No. Individually.

- (1) Select "INDIVIDUAL".
- (2) Select "1", "2", or "S-LEARNING". ("1" in the figure).
- (3) Select the student. ("A4" in the figure).
- (4) Select a new number. ("1", "2", or "S-LEARNING"). ("S-LEARNING" in the figure).
- (5) Select the student. ("E2" in the figure).

- With step 3 or 5, the seat display section No. can be changed, and the corresponding number is also displayed on the student side.

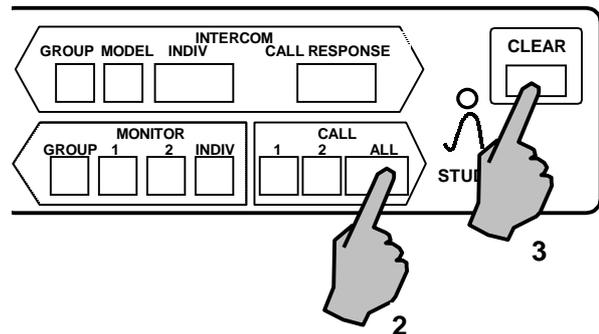
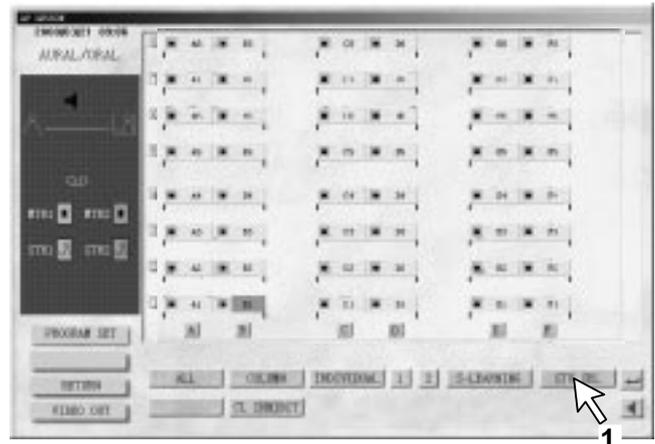


### 3-4 STU SEL

To Make Student Select a Program No.

- (1) Select the "STU SEL".  
The display all displays "1".
- (2) Press the "ALL CAL" button and tell all the students to select the program.
- (3) Press the "CLEAR" button to clear the "All Call".

\* "1" or "2" can be selected on the student side.  
"S" can be specified only on the teacher's side.



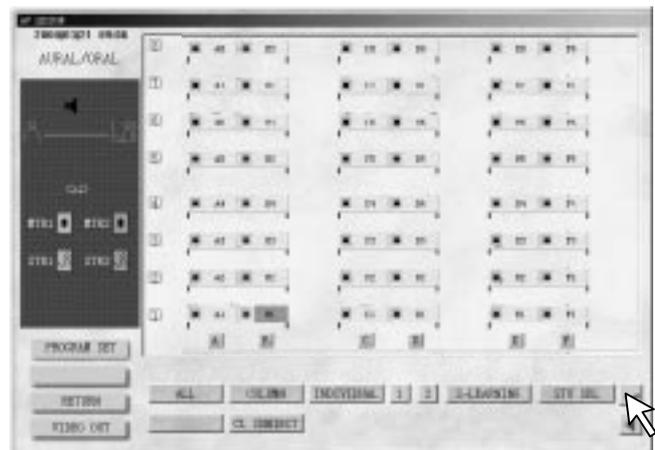
### 4. End Of Mode Selection

After selecting the program No. Click the "↵".

### 5. Operation Of Lesson Start

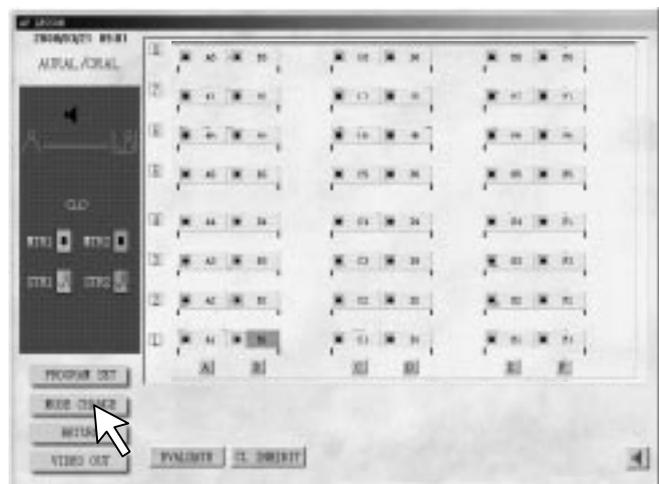
Proceed with a necessary procedure for lesson.

- Operation of student tape recorder → P68.
- Operation of master tape recorder → P65.
- Operation of pause control → P65.
- Operation of search and manual pause → P66.
- Operations for voice communication → P57.



### 6. Mode Change

To move from the aural/oral lesson to other one, select "MODE CHANGE".



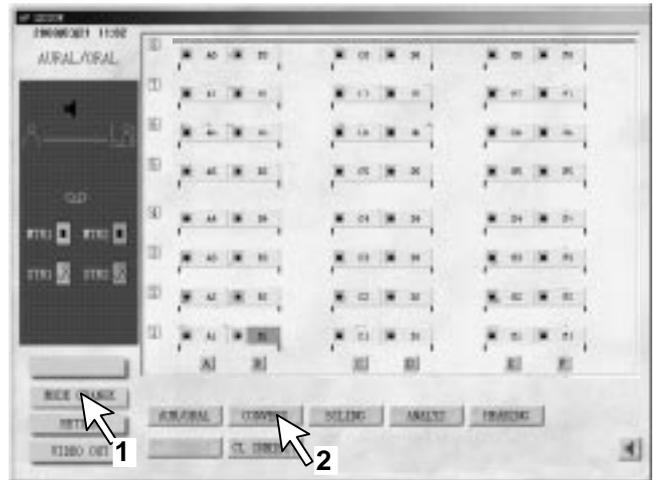
## ■ Conversation Lesson

To Practice on Conversation between Two or Four Students.....Conversation Lesson

### 1. Lesson Selection

Select the "CONVERS".

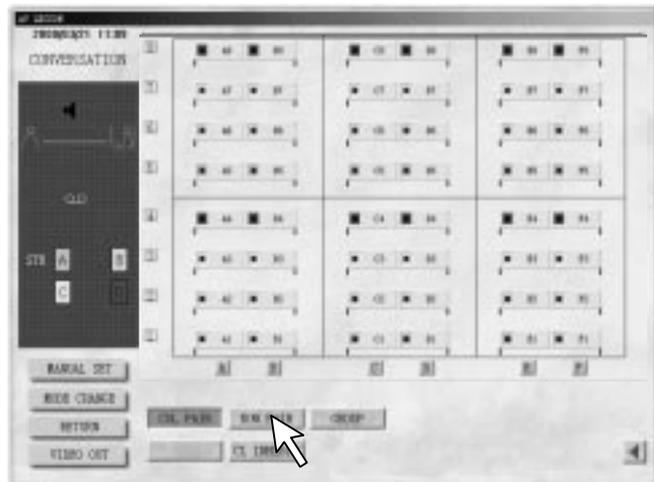
- (1) To move to a conversation lesson from other lesson, select the "MODE CHANGE".
- (2) When this is done, the "CONVERS" is selected to go into the conversation mode.



### 2. Mode Selection

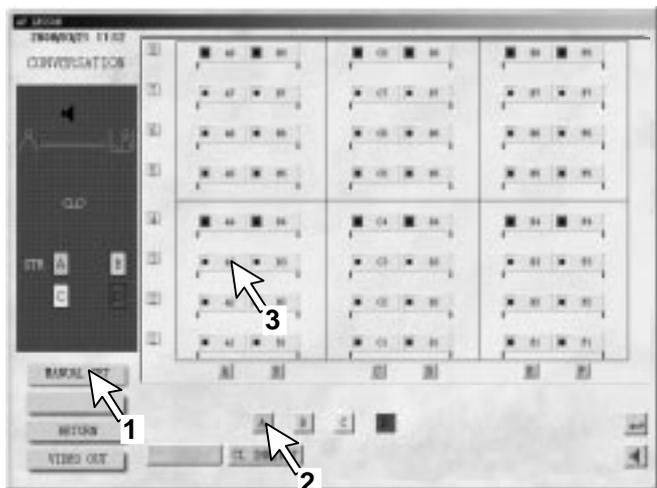
Select the "COL PAIR", "ROW PAIR", or "GROUP".

- A combination of students is indicated in color. (A is blue, B is green, C is yellow, and D red.)
- Even if any student comes late or if there is a self-learning student, pairing or group is automatically done in such a way that the opposite student can be confirmed.
- A pair is formed by two students, and a group basically by four students.



### 3. Manual Group Change

- (1) Select the "MANUAL SET".
- (2) Select A to D. ("A" in the figure)
- (3) Select the students.
- (4) Repeat steps 2 and 3 as required.



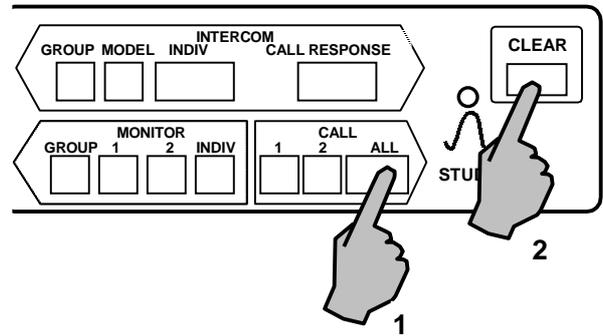
#### 4. Steps Before Lesson Start

(1) Press the “ALL CAL ” button and specify the contents of conversation and the role of each student.

- Conversation cannot be made mutually between students, however.

(2) After taking necessary steps, press th “CLEAR” button.

- Now, conversation can be made between paired or grouped students.



- The manually changed combination is not stored in memory in the following cases, an combinations of basic patterns with absent students and late comers taken int consideration are made.
  - a) When the power is cut off.
  - b) When either a pair or a group is selected once again.
- If there is a self-learning student (indicated as S-LEARNING),this student is not put in a pai lesson

- When the lesson moved to other one after manual change and then moved back to th conversation lesson once again, the combinations remains as before.
- If the monitor scan or intercom scan is made in the presence of a late comer, the monitor or intercom of these students are not made, an the monitor or intercom of next student is made.

## ■ Bilingual Lesson

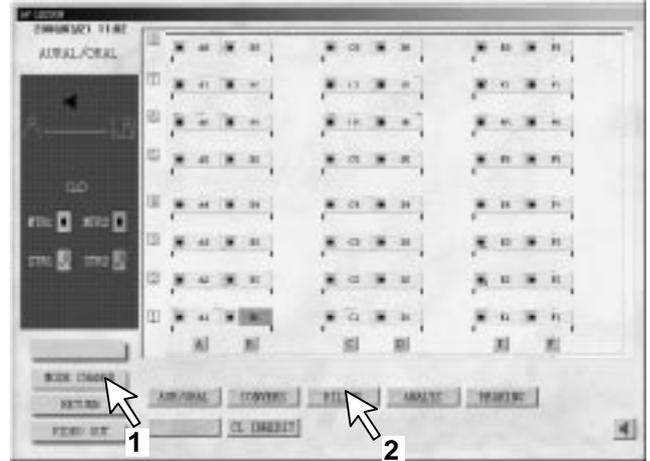
When Studying with Use of a Taped Bilingual Teaching Material.....Bilingual Lesson

Effective bilingual lesson can be performed by using a bilingual tape on which Japanese and a foreign language are assigned to the left and right just in the case of a taped teaching material of this LL system (bilingual tape).

### 1. Lesson Selection

Set a bilingual tape to the master tape recorder.

- (1) To move to the bilingual lesson from other lesson, the "MODE CHANGE" must be selected.
  - (2) Select the "BILING" to go into the bilingual mode.
- If the bilingual tape is played in this state by the master tape recorder, the program (1 or S-LEARNING) can be selected on the student side, and either Japanese or a foreign language can be heard by switching.



### 2. Indication Of Lesson Start

Press the "ALL CAL " button.

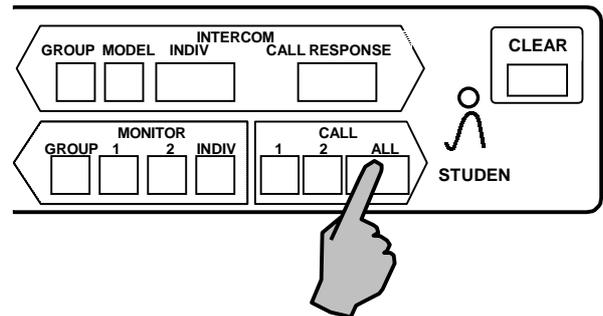
- Tell the students to start trying translation practice using the headset microphone of the master console.

### 3. Mode Selection

The bilingual screen image is now displayed by selecting the lesson.

Select the mode. Also, when the master tape recorder 1 is played back manually in the mode yet selected state, two languages can be heard by switching with the program select button on the student side.

- The student remote control cannot be made during the mode selection.



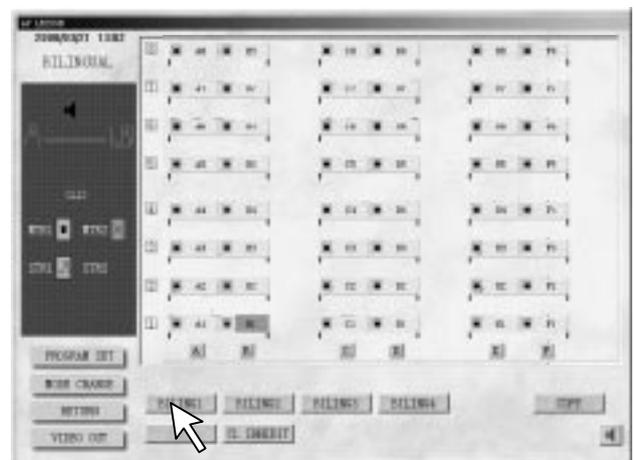
### 3-1 Biling 1

To Listen to the Voice Recorded on the Track for Practicing Translation

- (1) Select the "BILING1"

  - The student tape recorder is placed in the recording state, and a program is sent to the student tape recorder from the master tape recorder.

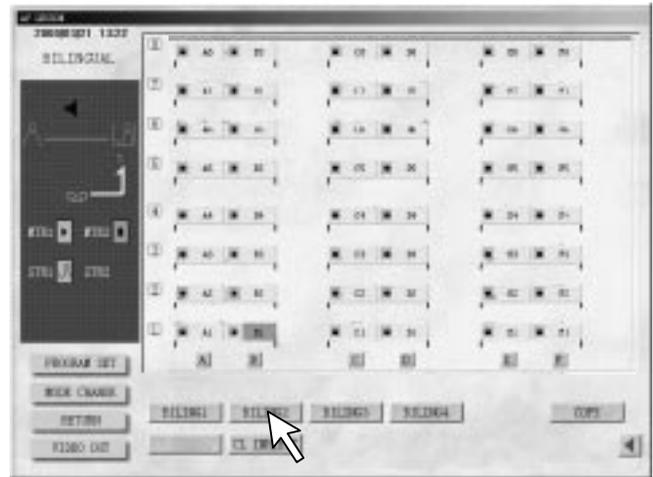
- (2) Select the "BILING1" once again to clear the mode.



### 3-2 Biling 2

To Make Practice with Biling 1 and the Track Reversed

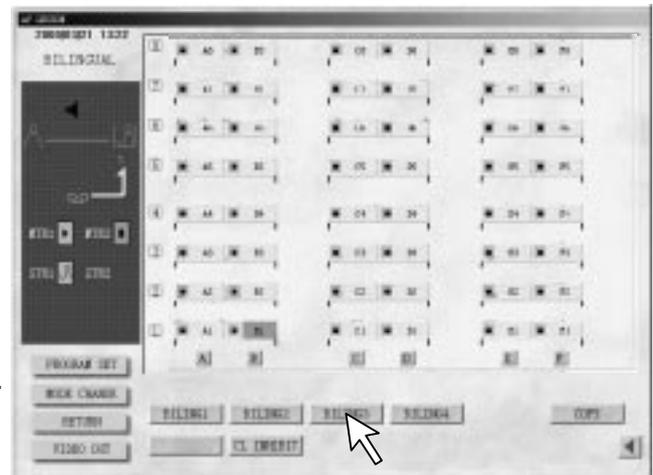
- (1) Select th “BILING 2”.
    - The student tape recorder is placed into the recording state, a program is sent to the student tape recorder from the master tape recorder.
- (2) Select th “BILING 2” once again to clear the mode.



### 3-3 Biling 3

To Make Practice with the Track Switched at End of Each Sentence

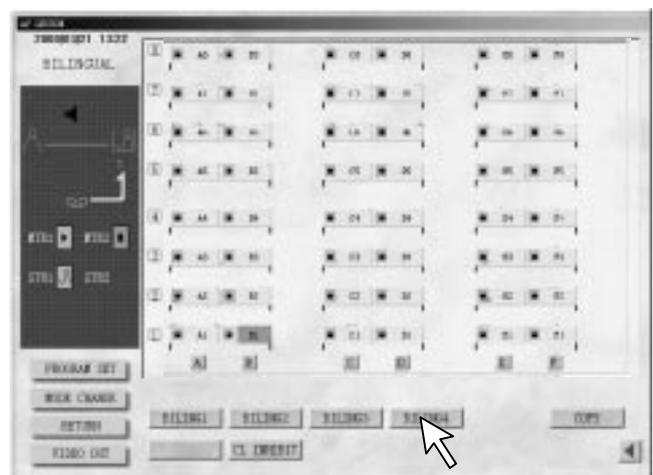
- (1) Select th “BILING 3”.
    - The student tape recorder is placed in the recording state, and a program is sent to the student tape recorder from the master tape recorder.
- (2) Select th “BILING 3”once again to clear the mode.



### 3-4 Biling 4

To Practice the Next Same Sentence of Track 2 after Practicing One Sentence of Track 1.

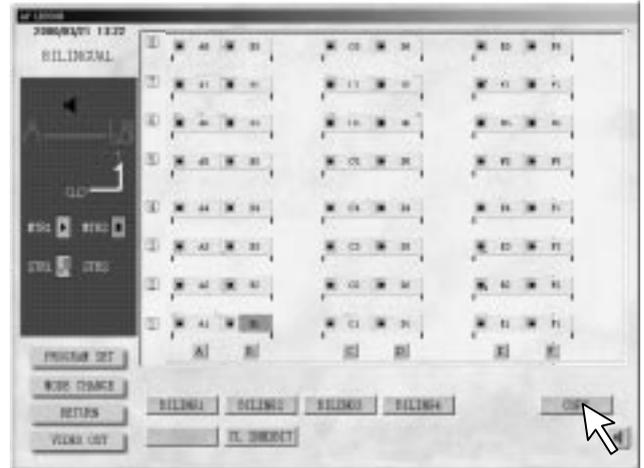
- (1) Select th “BILING 4”.
    - The student tape recorder is placed in the recording state ,and a program is sent to the student tape recorder from the master tape recorder.
- (2) Select th “BILING 4” once again to clear the mode.



### 3-5 Copy

To take a copy of teacher's bilingual tape at the normal speed.

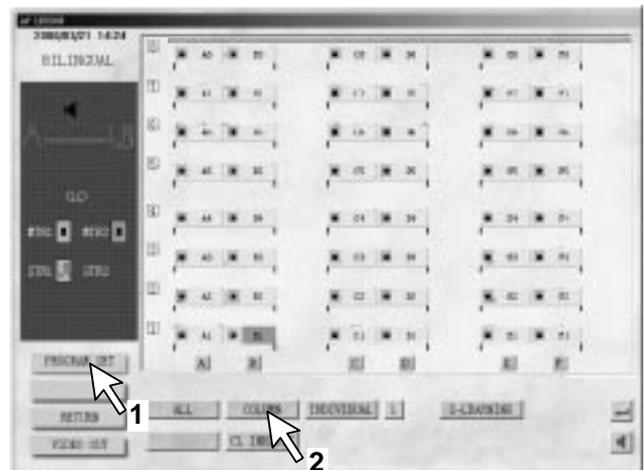
- (1) Select either the "COPY".
  - Now, the student tape recorder is placed into the recording state, and a program is sent to the student tape recorder from the master tape recorder.
- (2) To reset operation, select "COPY" once again.



### 4. Program Se

Lessons 3-1 ~ 3-5 Can be Performed by Selecting the Program 1. When the Program Button is Set to S-LEARNING, Students Can Do Self-Learning Using a Recorded Bilingual Tape.

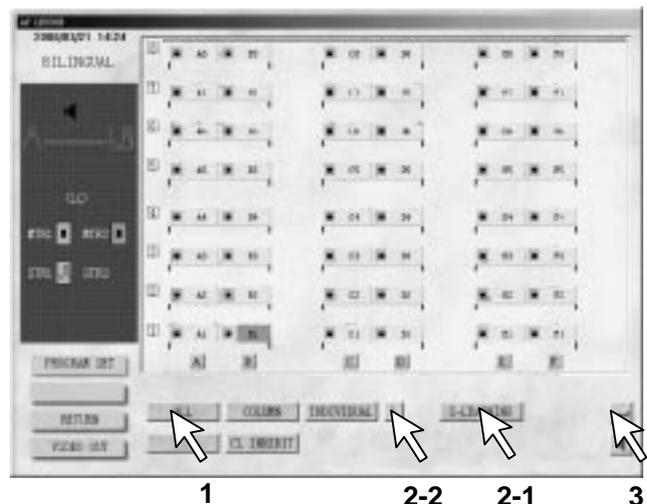
- Select the "PROGRAM SET".
  - Select either the "ALL", "COLUMN", or "INDIVIDUAL".
- \* When the tape of the student tape recorder has come to the end, the Self-Learning (S) mode is automatically selected.



### 4-1 All

To Set All the Students for Program 1 or S (Self-Learning) Mode

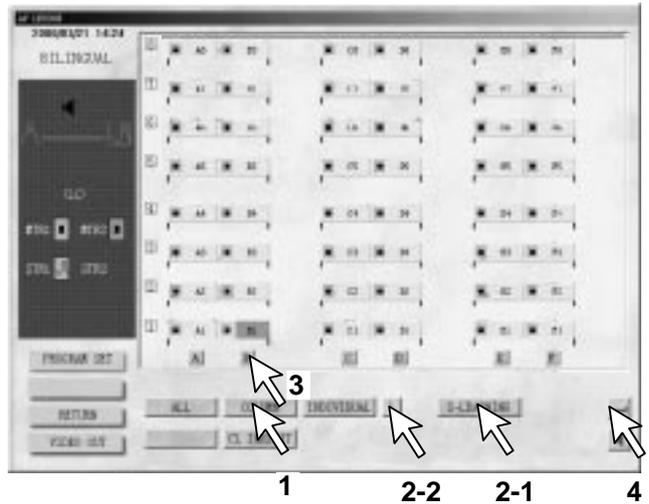
- (1) Select th "ALL".
- (2)-1 Select th "S-LEARNING" for causing all the students to perform the self-learning.
- (2)-2 Select th "1" to set the mode for all lesson.
  - Normally, "1" has been selected.
- (3) Select th "↵".
- The screen goes back to show the initial image of a bilingual lesson.



#### 4-2 Column

To Set Program 1 and S for Each Column.

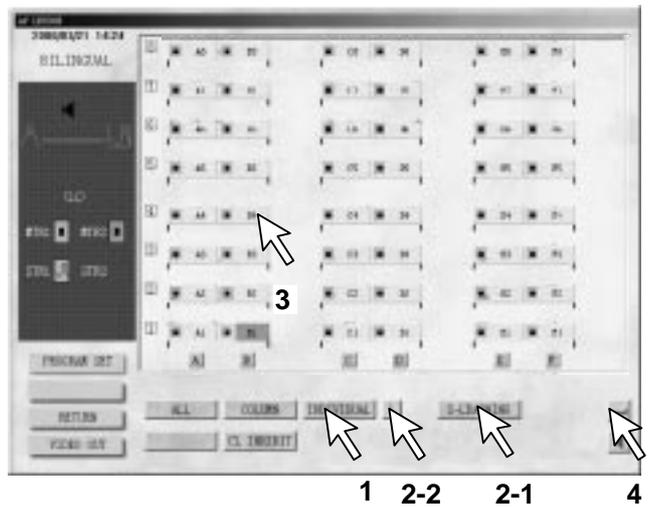
- (1) Select th “COLUMN”.
  - (2)-1 Select th “S-LEARNING” when it is desired to set the mode for self-learning.
  - (2)-2 Select th “1” when it is desired to set the mode for all lesson.
  - (3) Select the column symbol desired.
  - (4) Select th “↵”. (A plurality of columns may be specified.)
- The screen display goes back to show the initial image of the bilingual lesson.



#### 4-3 Individual

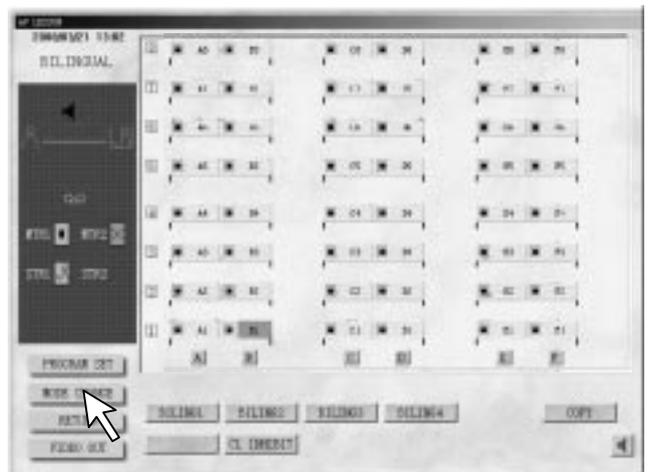
To Set the Program 1 and S for Each Student.

- (1) Select th “INDIVIDUAL”.
  - (2)-1 Select th “S-LEARNING” when it is desired to set the mode for self-learning.
  - (2)-2 Select th “1” when it is desired to set the mode for all lesson.
  - (3) Select each student to be specified. ( plurality of students may be specified.)
  - (4) Select th “↵”.
- The screen display goes back to show the initial image of the bilingual lesson.



#### 5. Mode Change

To move to other lesson from the bilingual lesson, select the “MODE CHANGE””.



## ■ Analyzer

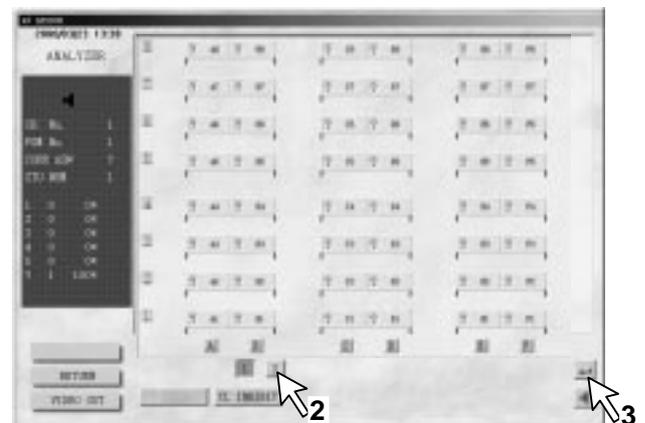
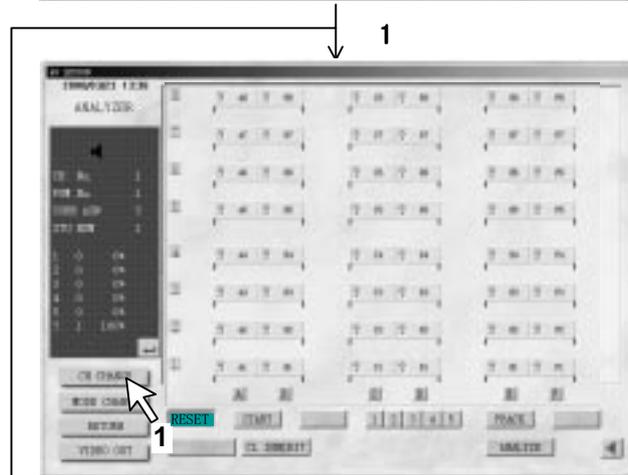
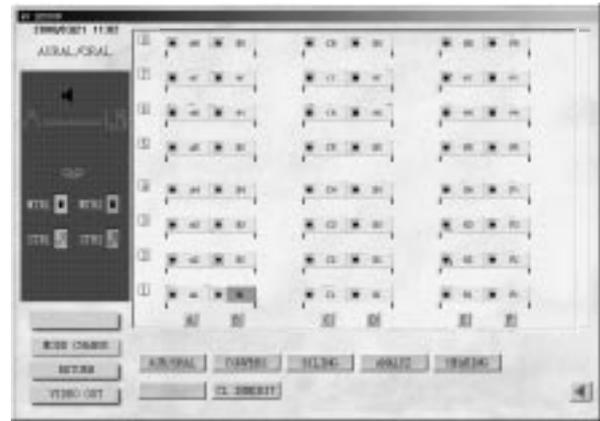
Degree of Understanding of Learning,.....Analyzer  
 Now, the operating procedure for analyzer is described.

Select th “ANALYZ”.

1. When channels 1 and 2 are used for aural/oral lessons, channel 1 becomes an analyzer. When it is desired to make channel 2 a analyzer, proceed as follows.

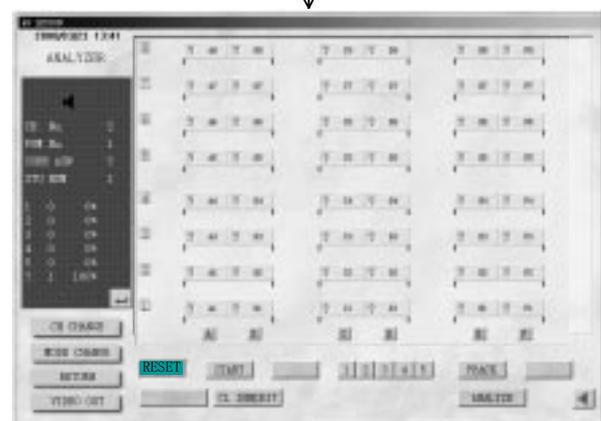
- (1) Select th “CH CHANGE”.
- (2) Select the channel desired to be an analyzer.
- (3) Start the lesson with “↵” selected.

\* Channels 1 and 2 can be selected by setting the program setting of the aural/oral lesson.



2. When one and the same channel (1 or 2) i used, the direct analyzer pattern is displayed.

“A” indicating that the analyzer has been selected is displayed by the indicator lamp of the student side.

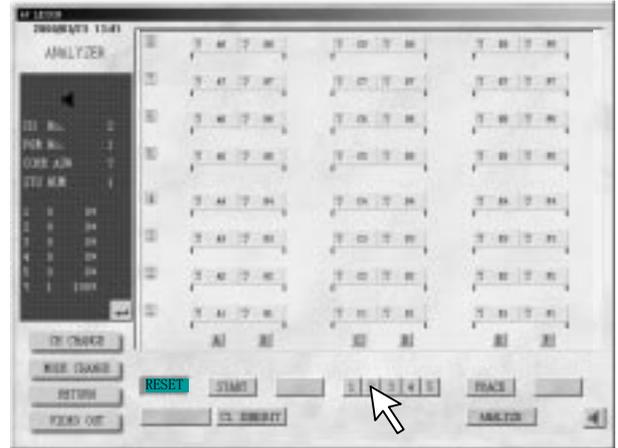


“ ? ” lights at the correct answer display section

**3. Set the correct answer No.**

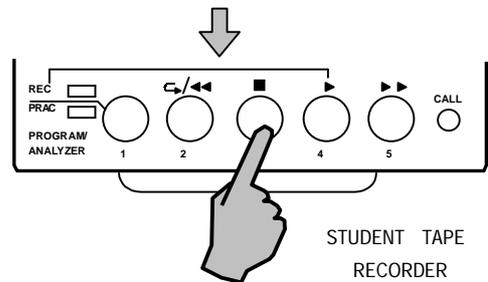
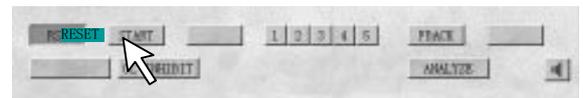
Select one of correct answer No. set buttons (1~5).  
When this is done, the correct answer No. is set.

- The correct answer No. can be set when the “RESET” or “START” has been selected. But setting cannot be made while the alarm buzzer is sounding.



**4. Select the answer reception state.**

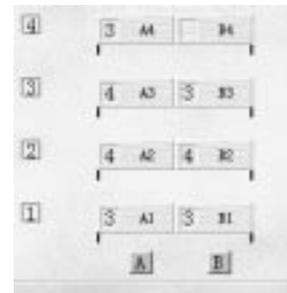
- (1) Select the “START” after indicating a problem to the students.  
The start alarm tone (pin – pon) flows to the headset of students.
  - (2) Students are required to answer by using the analyzer answer buttons (1~5) of their student tape recorders.
- A call from students cannot be received in the start state.



**5. Close the time for answer.**

Select the “CLOSE” after confirming on the screen that the student has pressed the answer No.

The close alarm chime (pin pon, pin pon) flows to the headset of students.



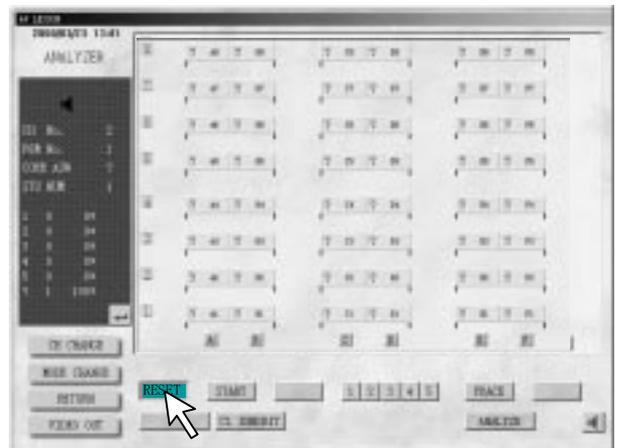
When the correct answer is set:

The correct answer is automatically feed back to the student side.

A student who uses the analyzer can be changed by selecting the “CH CHANGE”. (For information about the channel selection, refer to page 41 )

**6. The screen image returns to the initial state. Select the “RESET”.**

- The display all returns to the pattern of 2 above and causes the problem No. by one count and shows it on the CRT screen.\*
  - The problem No. is displayed by analyzer channel.
- \* Problem Nos. can be counted up to 99. The counts starts as from 1 once again after 99.



**7. Move to the next problem.**

- Returning to the operation of (3) above, cause each problem to be displayed on the screen thereafter.
- To use other program channel as an analyzer, select the “CH CHANGE”, cause the channel pattern to be displayed on the screen, and enter the corresponding channel.

\* In the analyzer, hearing test, the STR state is not displayed except by individual remote control. The STR state is not displayed during test even while remote control or individual remote control is in effect.

**8. Score**

Display up to 99 is made when the “SCORE” is selected. The count and display start all over as from 1 after 99.

- All correct answers are added to the total score. Also, correct answers are all added during the duration of the same lesson (that is, from power on to power off).

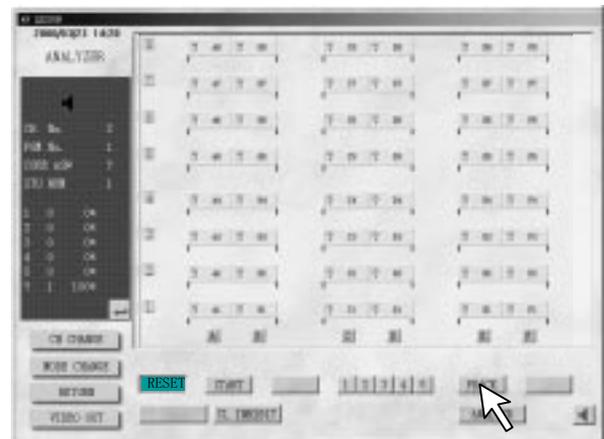
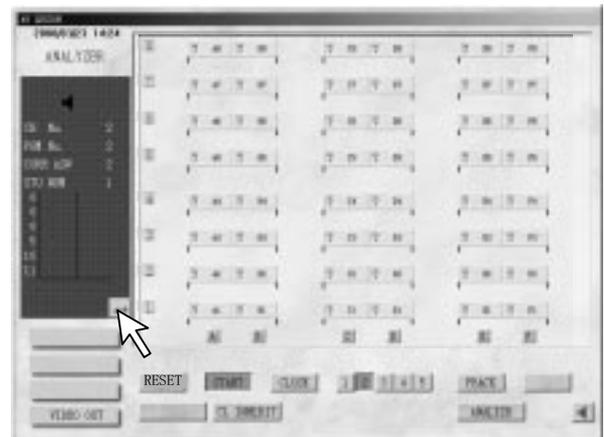
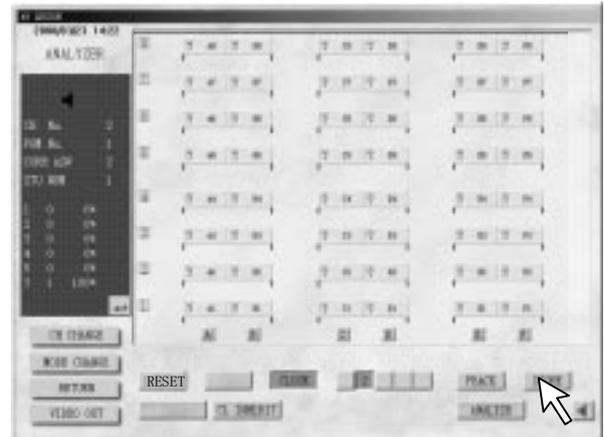
**9. "By-Selection Answer Distribution" Pattern and "By-Time Accumulated Distribution" Pattern**

Whenever “↵” is selected, the by –selection answer distribution pattern and the by-tim accumulated distribution pattern can be switched from each other.

The time accumulation distribution pattern is such that the time display progressively indicates the time at every five seconds’ interval. When the display reaches 99 seconds, it counts as from 00 once again. The closed time is displayed when actually closed.

**10. Correct Answer Feedback**

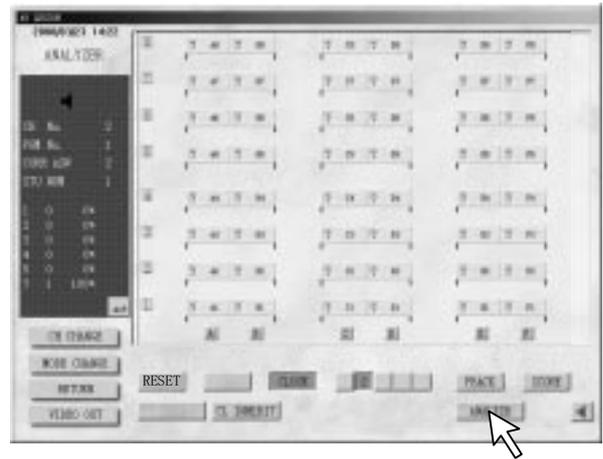
When the “FBACK” is selected, the correct answer No. is blinked on the screen after closing.  
When the “FBAC ” is selected once again, the correct answer feedback is cleared.



## 11 Analyze

There are five kinds of charts provided to analyze the degree of students' study.

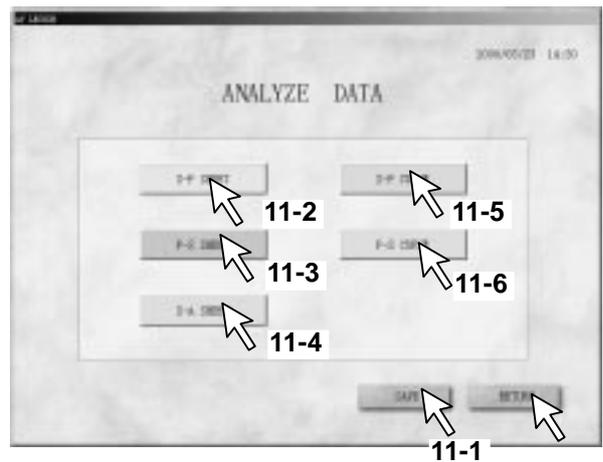
- Click the "ANALYZE" after the test is ended.



### Mode Select

- Select "SAVE".
- Select "S-P SHEET".
- Select "P-S SHEET".
- Select "S-A SHEET".
- Select "S-P CURVE".
- Select "P-S CURVE".

- Click "RETURN", then exit the menu of "ANALYZE".



### (1) Save

(1)-1 The pop-up menu of saving files is displayed when the "SAVE" is selected.

(1)-2 Input the file name.

(1)-3 Click the "SAVE".

The file is saved.

- In anytime, you can gain the information of analyze through double-click this file.
- The soft of LL system is needed on your computer.



### (2) S-P shee

The sheet is the score sheet for all the questions to each student.

R-ARRANGE:

Arrange order such as :A1-B1-C1...H1-A2...

C-ARRANGE:

Arrange order such as :A1-A2-A3...A10-B1...

SCORE-SEQUENCE

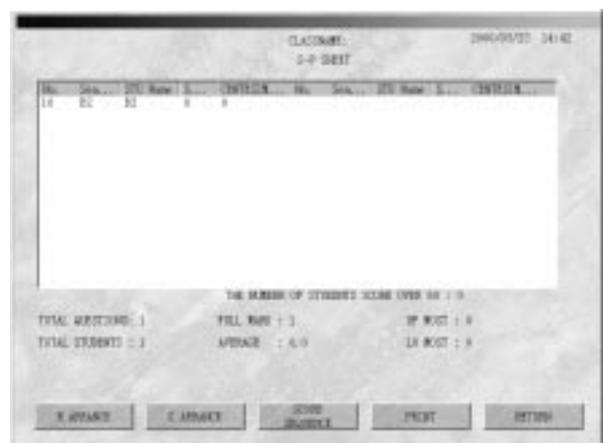
Arrange order according the score from high to low.

PRINT

Print S-P sheet.

RETURN

Return the menu of "ANALYZE DATA".



**(3) P-S SHEET**

The sheet is a correct answer ratio sheet of each question to the entire correctly answered student.

**CORR RATE SEQUENCE**

Arrange order according to the correct answer ratio from high to low.

**RESTORE**

Arrange order according to the question number.

**PRINT**

Print P-S sheet.

**RETURN**

Return the menu of "ANALYZE DATA".



**(4) S-A SHEET**

The sheet lists out the answer of each question and the score of each student.

**RESTORE**

Arrange order to initial states.

**CORR RATE SEQUENCE**

Arrange order according to the correct answer ratio from high to low.

**SCORE SEQUENCE**

Arrange order according to the score from high to low.

**PRINT**

Print S-A sheet.

**RETURN**

Return the menu of "ANALYZE DATA".



**(5) S-P CURVE**

This is a curve chart of the student number to the score stage.

**PRINT**

Print S-P curve.

**RETURN**

Return the menu of "ANALYZE DATA".



**(6) P-S CURVE**

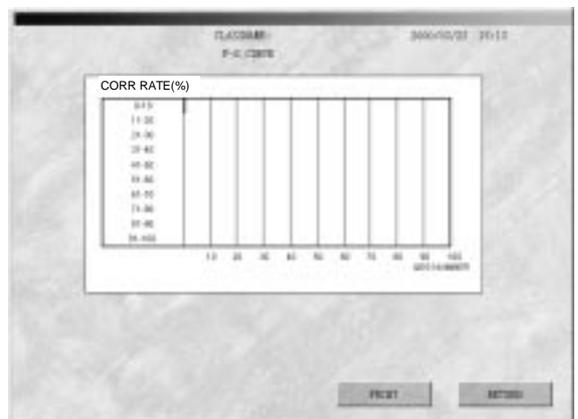
This is a curve chart of question number to correct answer ratio.

**PRINT**

Print P-S curve.

**RETURN**

Return the menu of "ANALYZE DATA".



## ■ Hearing Test

Analyzer Using a Hearing Test Tape.....Hearing Test

Now, start the hearing test.

To start the hearing test, select the "HEARING".

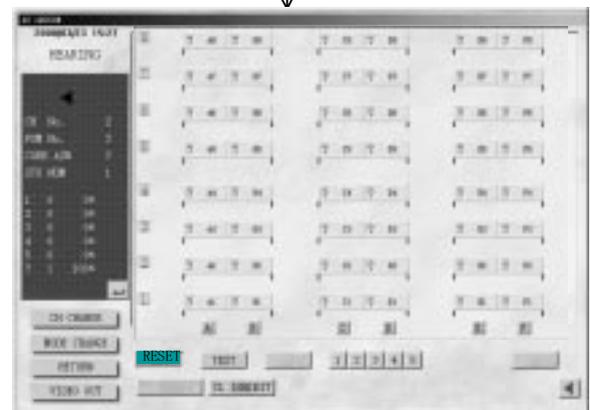
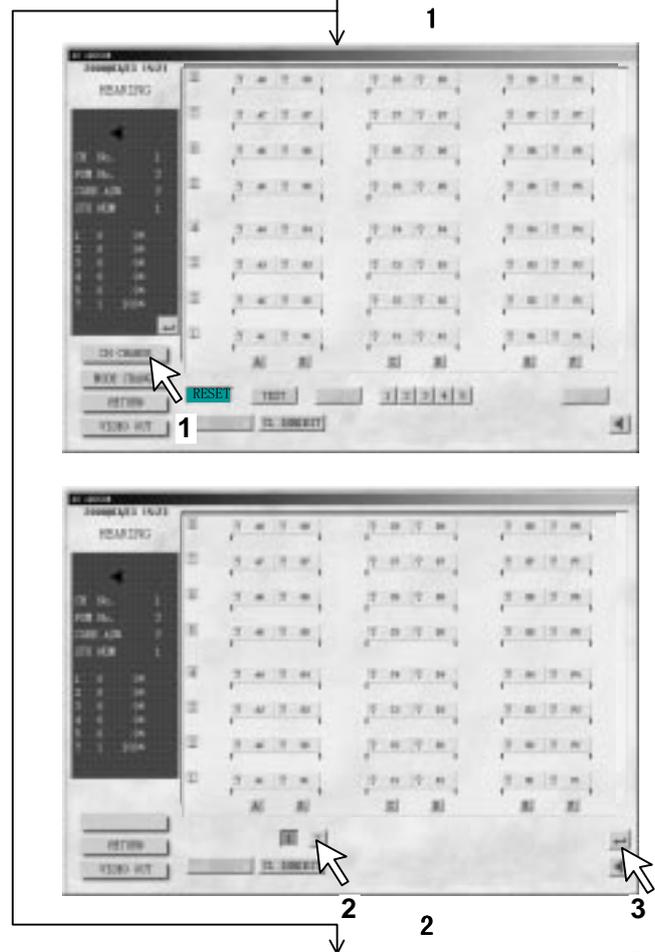
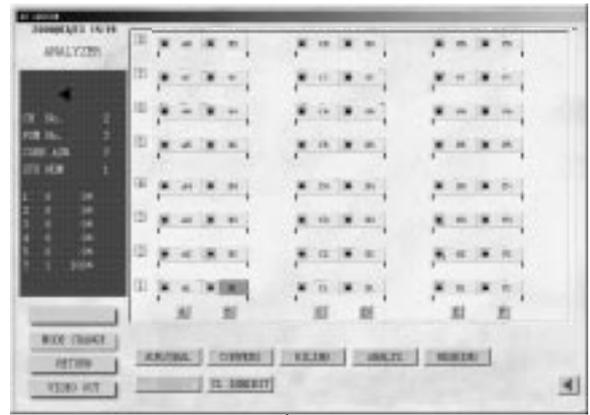
1. The channel 1 is set for the hearing test when both channels 1 and 2 are used in the aural/oral lesson. When it is desired to set channel 2 for the hearing test, proceed as follows:

- (1) Select the "CH CHANGE".
- (2) Select the channel desired to be used for the hearing test.
- (3) Start the lesson with "↵" selected.

\* Channels 1 and 2 can be set by the program setting of the aural/oral lesson.

2. The hearing test pattern is directly displayed if the same channel (1 or 2) is being used.

At that time, "A" indicating the analyzer operation by the indicating lamp of the student side.



"?" lights at the correct answer No. display section

### 3. Send out the voice of a taped program for hearing test.

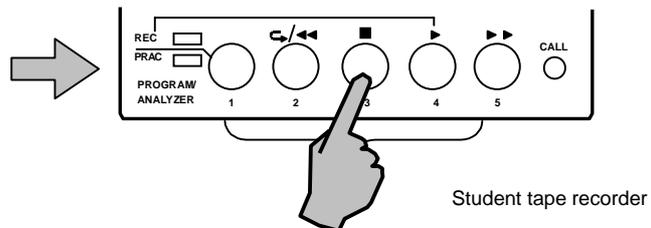
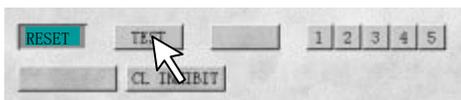
- (1) Operate manual the master tape recorder of the channel to be used for hearing test and search for the proper section of the program.
  - Press the corresponding channel button of the "PGM MONIT".
  - Search for the proper section of the program by operating the master tape recorder.
  - To clear the "PGM MONIT", press the "PGM MONIT" button once again.
- (2) Send the program out.
  - Place the master tape recorder in the play state.

#### Example of Hearing Test

- (1) Problem Requiring an Answer After Listening to the Broadcasting While Watching a Picture.  
Raise questions in regard to the picture and have the students select an answer from the selection items (broadcasting or printed matter).
- (2) Problem Requiring an Answer After Listening to a Short Story .  
Have the students listen to a short story, raise questions regarding it , and let them select an answer fro the selection items (broadcasting or printed matter).

### 4. Close the time for answering and put the answer in the received state.

- (1) Select th "Test" before indicating problems to the students.  
"Close", "Reset", and "TEST" are automatically made.
- (2) Students now answer by pressing the analyzer buttons (1-5) of the student tape recorder.  
A call from students is not accepted during the test.

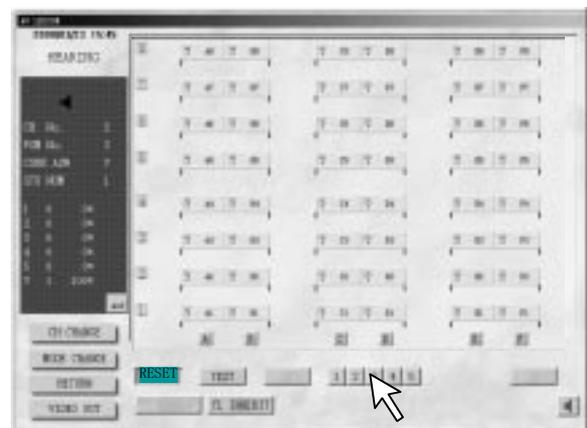


### 5. Set the correct answer No.

Select one of correct answer numbers (1-5) and click it. When this is done, the correct answer No. is set .

### 6. Now, move to the next problem.

Go back to (4) above and provide problems in a similar manner hereafter.



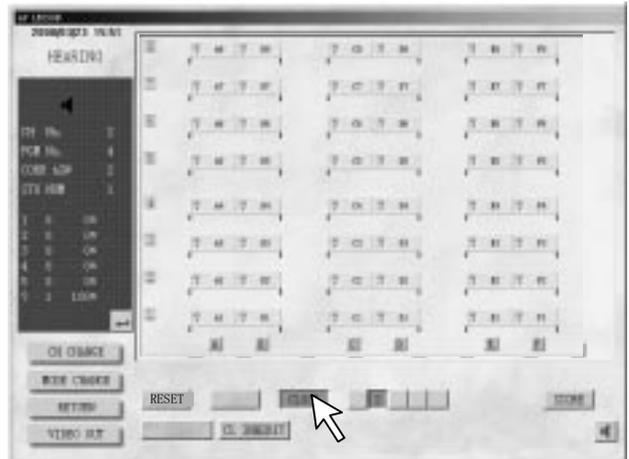
### To Stop the Hearing Test

- \* When there is an explanatory statement.
- \* If there is a short story or the like, indicate the "RESET" and set the status back as before. Indicate "Test" again after making questions.

#### 7. To Bring Hearing Test to an End

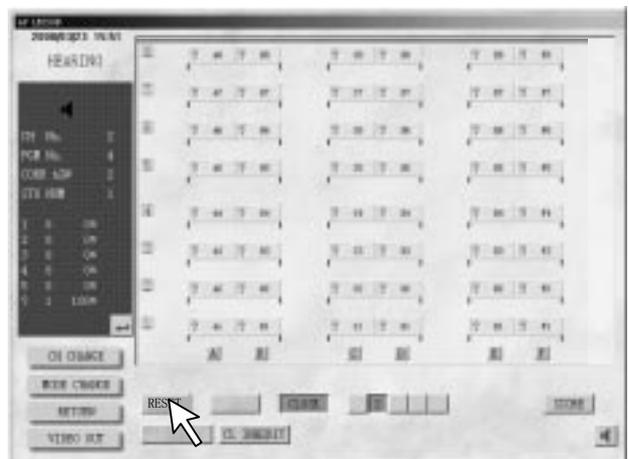
Select the "CLOSE" after confirming the student has pressed the answer button.

When the "CH CHANGE" is selected in the closed state, a need arises to change the student making a hearing test. For details of specifying the channel, refer to page 41.



#### 8. Select the "RESET"

- The display now all returns to the pattern of (2), and problem No. is advanced by one count, and the display is made accordingly.

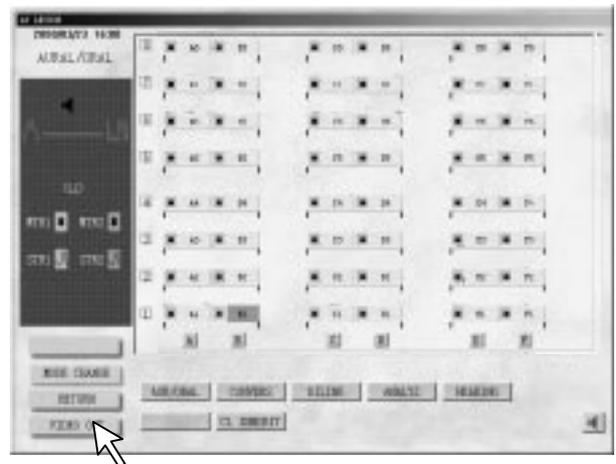


## ■ Video Output Function

Enable to realizes many kinds of multi-media video and audio functions.  
The function is in “AV LESSO ”.

### 1. Click “VIDEO OUT”

In AV lesson, you can realize this function anytime.



### 2. Mode Select

The mode selection is displayed on the display screen when th “VIDEO OUT” is selected.

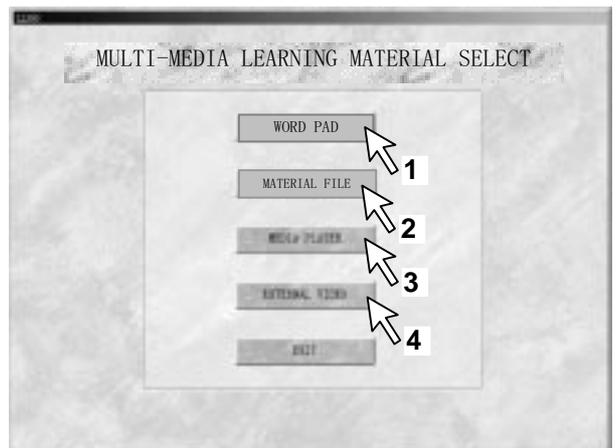
2-1 Click the “WORD PAD”.

2-2 Click the “MATERIAL FILE”.

2-3 Click the “MEDIA PLAYER”.

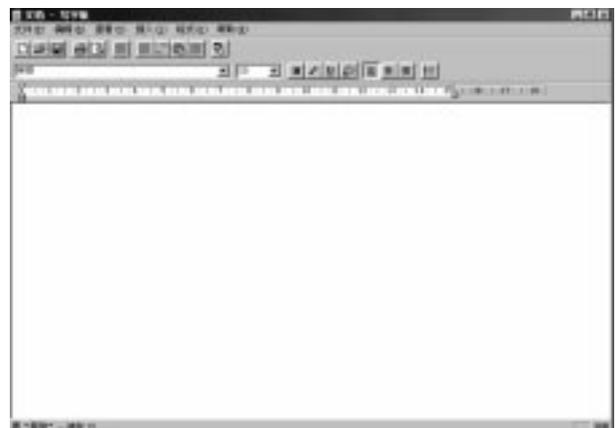
2-4 Click the “EXTERNAL VIDEO”.

You can exit the mode by Clicking the “EXIT”.



### (1) WORD PA

- Teacher can open and edit text documents in word pad.
- Teacher can send the question to the students through video equipment.
- Exit the function of “MULTI-MEDIA TEACHING MATERIAL SELECT” by clicking the icon of “X”.



## (2) FILE MATERIA

- Select the file of teaching material and double-click, the teaching material will be opened.
- Teacher can send the information of disk material to the students through video equipment.
- Exit the function of “MULTI-MEDIA TEACHING MATERIAL SELECT” by clicking the icon of “X”.



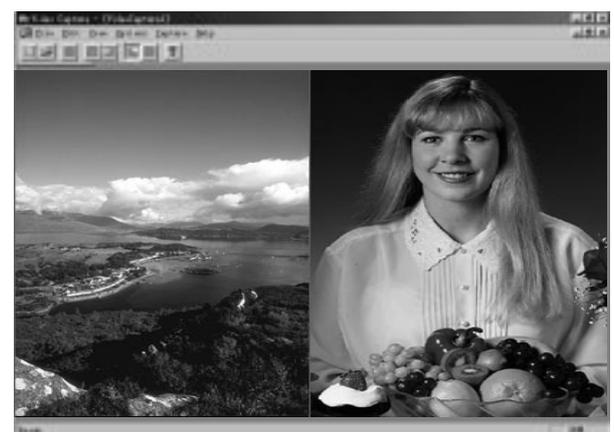
## (3) MEDIA PLAYER

- Input the optic disc material such as CD, VCD in the CD-ROM of computer, then you can operate it.
- Enable to operate the media player through clicking the button as following:
  - ▶ PLAY ; || PAUSE
  - ▶▶ FF ; ◀◀ REW
  - ▶ NEXT P ; ◀ LAST P
  - STOP ;
- Exit the function of “MULTI-MEADA TEACHING MATERIAL SELECT” by clicking the icon of “X”.



## (4) EXTERNAL VIDEO

- External video signal (such as VCD, VHS and Video Imager etc . ) will be displayed on display if the “EXTERNAL VIDEO” is selected.
  - Exit the function of “MULTI-MEDIA TEACHING MATERIAL LIST” by clicking the icon of “X”.
- \* This function only can be used when the hardware and the software of the Multifunction Capture Card is be installed.



## ■ Program Edit

A Tape with Pronunciation Time Set from the Existing Program Tape for Students ' Practice is Automatically Edited

### Cautions:

- The program edit cannot be when the "MEMORY" lamp of the master tape recorder 1 is lit. When it is lit, press the "MEMORY" button to put off the following operation.
- Have the cassette tape used for the recording erased before editing a program.
- Do not eject the tape of the master tape recorder during the "EDIT START".

## MONAURAL EDITING AND BILINGUAL EDITING

- Proper search may not be made on some types of tape during a program editing operation. It is necessary therefore to set proper sentence interval time.

\* If a cassette tape of less than the specific sentence time is used for teaching program, search failure may be caused, or the head portion of the next sentence may be heard in an extreme case.

- When the "EDIT START" is selected, the playback sound of the master tape recorder is automatically placed in the monitor state, and the master tape recorder is automatically put in the recording state. As a result, the program of the master tape recorder 1 is edited, and the recorded on the master tape recorder 2.

- Manual operation of the master tape recorder is rendered invalid during program editing.

\*1 Parameters can be set only during "EDIT STOP".

\*2 The manual pause is valid only during "EDIT START".

\*3 To switch the mode, select the "EDIT STOP".

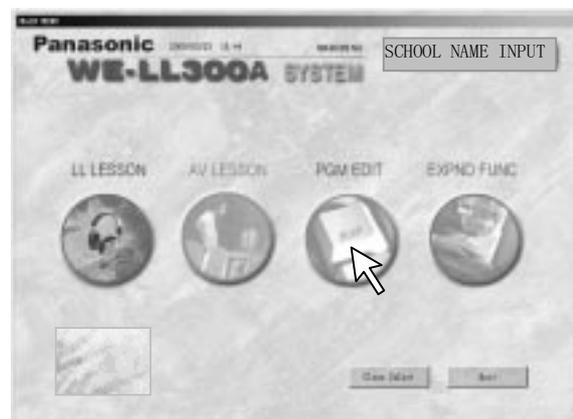
\*4 The sentence skip function is valid during "EDIT START". ("CLEAR" button is used.)



## ■ Monaural Edit

### 1. Program (monaural) Editing

Select the "PGM EDIT".



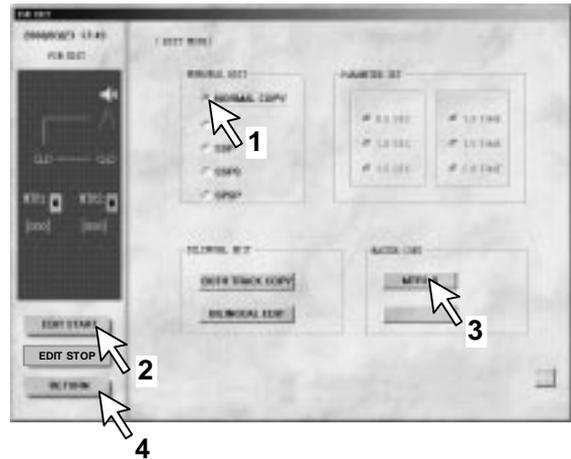
## 2. Mode Select

The image of the program editing is displayed on screen.

### 2-1 NORMAL COPY

To Copy the Program Directly

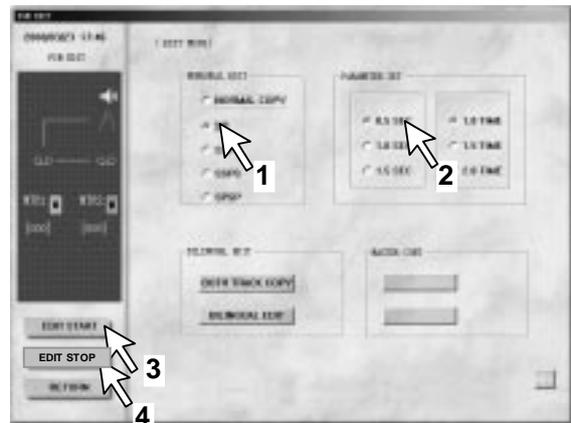
- (1) Select the "NORMAL COPY".
- (2) Select the "EDIT START."
- (3) Select the "MTR1 II" at the time of normal speed copying.
- (4) Select the "EDIT STOP" after editing the tape.



### 2-2 SP (Sentence Pause)

To Edit a Program with Practice Time Inserted between Sentences.

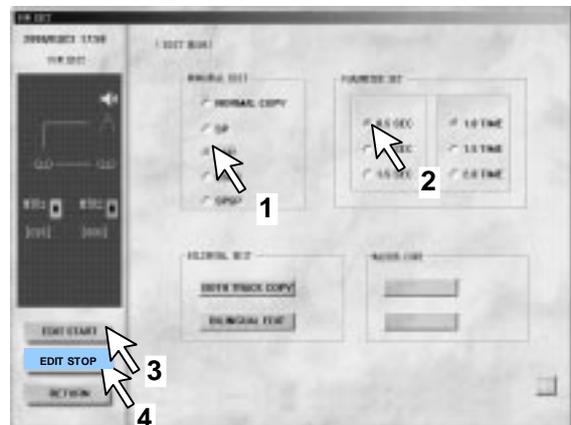
- (1) Select the "SP".
- (2) Select the "PARAMETER SET".
- (3) Select the "EDIT STAR".
- (4) Select the "EDIT STOP" after editing the tape.



### 2-3 SSP (Sentenc Sentence Pause)

Repeat a Sentence Twice and Edit the Program with Practice Time Inserted.

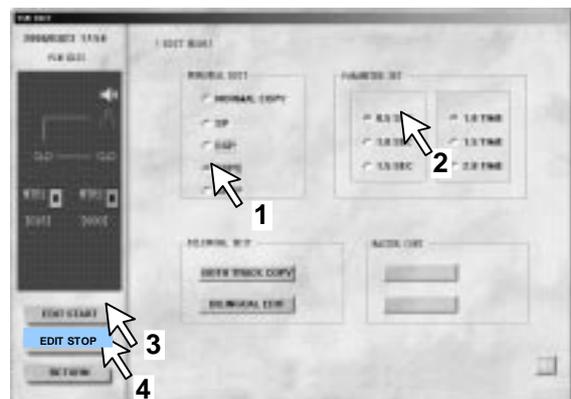
- (1) Select the "SSP".
- (2) Select the "PARAMETER SET".
- (3) Select the "EDIT STAR".
- (4) Select the "EDIT STOP" after editing the tape.



### 2-4 SSPS (Sentence Sentence Pause Sentence)

Repeat a Sentence Twice, Insert Practice Time and a Sentence, and Edit the Tape.

- (1) Select the "SSPS".
- (2) Select the "PARAMETER SET".
- (3) Select the "EDIT STAR".
- (4) Select the "EDIT STOP" after editing the tape.



## 2-5 SPSP (Sentence Pause Sentence Pause)

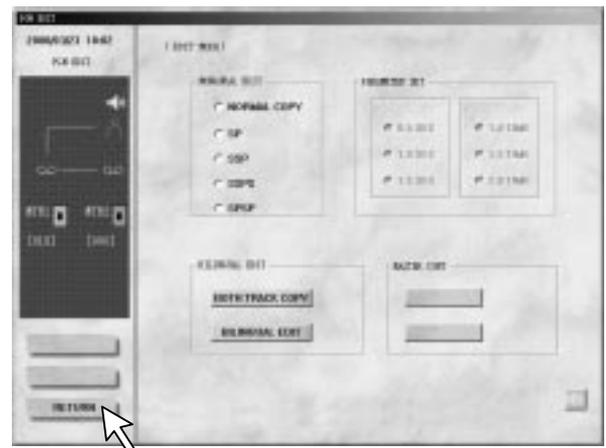
Insert Practice Time After a Sentence, Repeat it Twice, and Edit a Tape.

- (1) Select the "SPSP".
- (2) Select the "PARAMETER SET".
- (3) Select the "EDIT START".
- (4) Select the "EDIT STOP" after editing the tape.



## 3. Edit End

To move to the normal lesson from automatic editing, select the "RETURN".

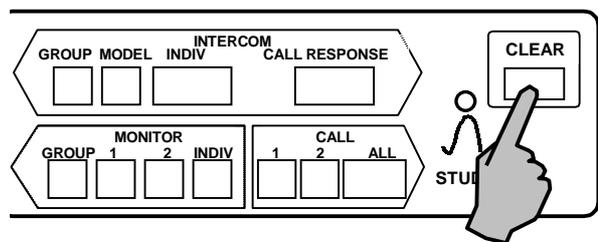


## SENTENCE SKIP

Repeated editing of unwanted sound can be eliminated.

For example, press the "CLEAR" button when a siren or the like is not required to be edited.

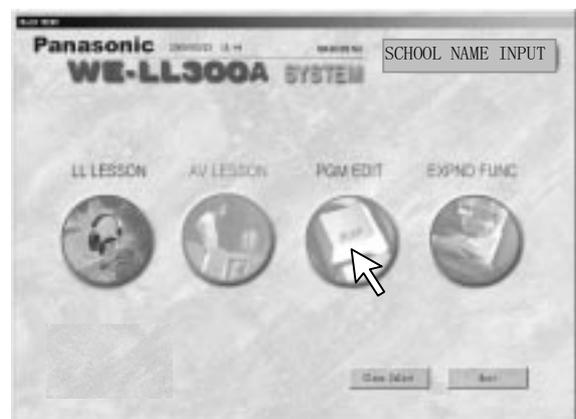
- "Skip" is displayed on the display screen.
- Copying can be simply made without repeating other sounds (such a siren tone ) and creating the practice time, and editing is resumed as from the next sentence.



## ■ Program (Bilingual) Editing

To edit a tape for Teaching Material Used in the Bilingual Lesson .

1. Select the "PGM EDIT".



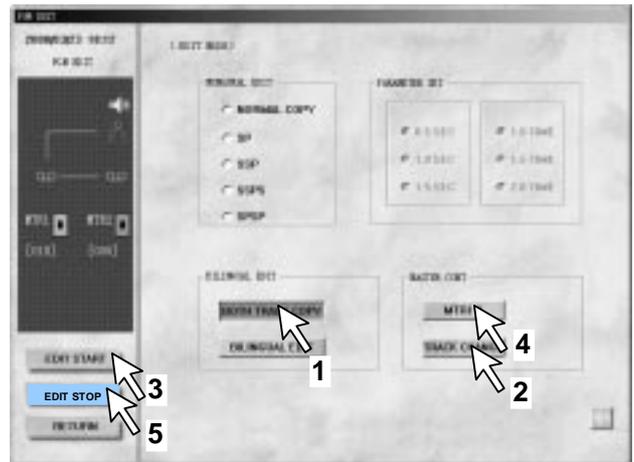
## 2. Mode Selection

The program edit image is displayed on the CRT screen. Select either "BILINGUAL EDI " or "BOTH TRACK COPY".

### 2-1 BOTH TRACK COPY

To Copy Both Tracks.

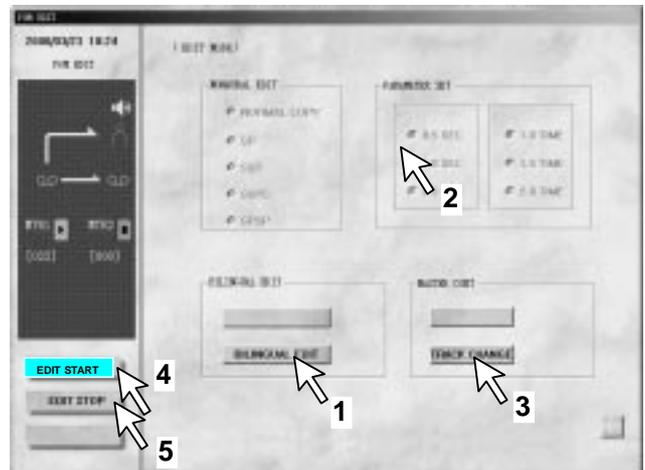
- (1) Select the "BOTH TRACK COPY".
- (2) Select the "TRACK CHANGE" when it is desired to edit with the program tracks switched.
- (3) Select the "EDIT START".
- (4) Select the "MTR1 II" as needed.
- (5) Select the "EDIT STOP" after editing the tape.



### 2-2 BILINGUAL EDIT

Record translated sentences of the track 1 using a microphone.

- (1) Select the "BILINGUAL EDIT".
- (2) Select the "PARAMETER SET".
- (3) Select the "TRACK CHANGE" when editing a program with the program of the track 2 switched.
- (4) Select the "EDIT START".
- (5) Select the "EDIT STOP" after editing the tape.



## 3. Edit End

To move to the normal lesson from automatic editing, select the "RETURN".

### [ When Confirming the Edited Tape ]

1. Stop the preparation of a tape for a while.
2. Insert the recorded tape in the master tape recorder 1 and try to play the tape back at the point desired to be checked.
3. To perform both track copying or bilingual editing, check the sound of both tracks by track switching.

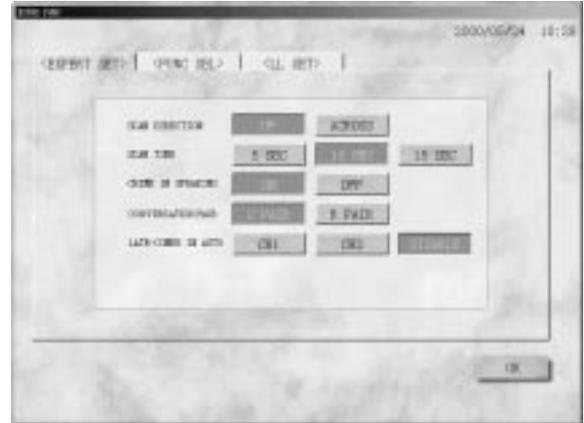
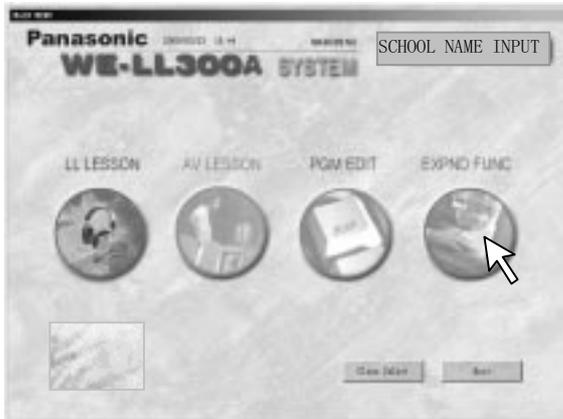


## ■ Expert Function

For the Teacher Who is Well Experienced in Operations.

## ■ Expert Set

Click “EXPND FUNC” and the image of “EXPERT SET” is displayed on the screen.



### 1. Scan Direction (SCAN DIRECTION)

When Changing the Student Specific Scanning Direction in the Following Modes

- Individual Interco
- Individual Monitor
- By-Channel Monitor
- Group Monitor

Select th “UP” or “ACROSS”.

- When the “ACROSS” is selected, the scanning direction horizontally changes.
- The initial state is set to the “UP”(vertical direction).

### 2. Scanning Time (SCAN TIME)

When it is desired to change the scanning time per student in the Group Monitor or By-Channel Monitor.

Select th “5 SEC”, “10 SE ”, or “15 SE ”.

- The selected time (unit is second) is set. (“10 SEC” in this figure.)
- The scanning time is set at “10 SEC” in the initial state.

### 3. Chime at Time of a Call (CHIME IN SPEAKING)

To stop the chime for “Individual Intercom”.

Select th “ON” or “OFF”.

- When the chime is made for “OFF”, the chime

ceases to sound.

- The chime is originally set for “ON” in the initial state.

### 4. Conversation Lesson in Pair (CONVERSATION PAIR)

- Select whether the vertical pair or horizontal pair when moving to the conversation lesson.
- Incidentally, a switchover to the vertical pair, horizontal pair, or group can be freely made irrespectively of the selection during the conversation lesson.
- The initial state is set to the “C PAIR”.

### 5. Later Comer in Auto (LATE-COMER IN AUTO)

- When “CH1” is selected, the late comer can take party in the program of channel 1 .
- When “CH2” is selected, the late comer can take party in the program of channel 2 .
- When “Disable” is selected, the late comer can't take party in any program.
- The initial state is set to the “DISABLE”.

### 6. Return the Main Menu

Click the “OK”, LL system returns the main menu.

The result of setting is automatically saved.

■ **Function Selection**

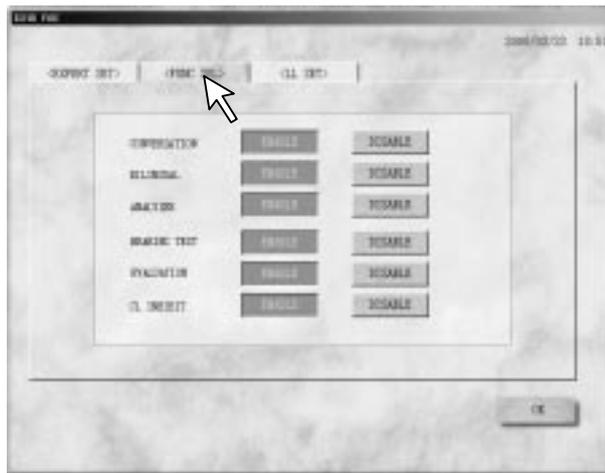
1. **Screen Image Call**

Select the "FUNC SEL".

2. **Function Select**

The image of "FUNC SE" is displayed on the screen.

- Select "ENABLE" for the lesson to be performed in all cases.
- The lesson selected for "DISABLE" is not display on the screen after starting the lesson.
- The initial state is set to "ENABLE".
- This function can make the operation menu simply.



■ **LL Set**

1. **Screen Image Call**

Select the "LL SET".

2. **Function Select**

The image of "LL SET" is displayed on the screen.

(1) **SYSTEM SIZE**

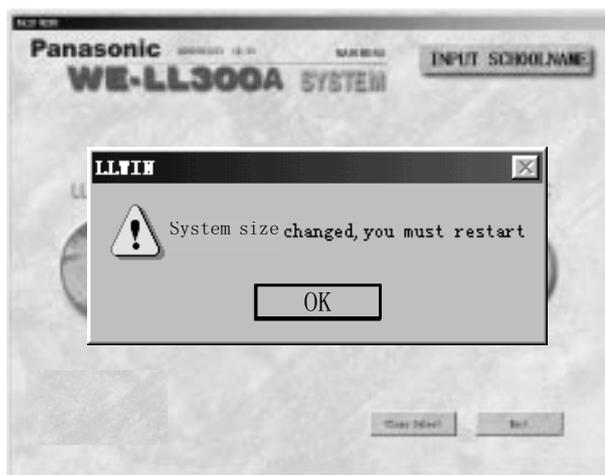
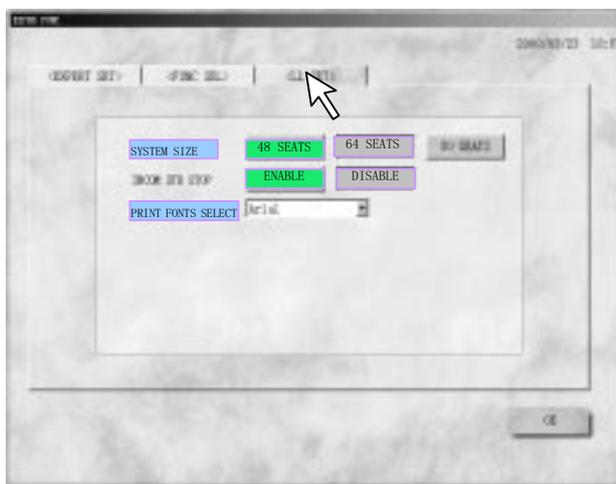
- Click the "OK" after the system size is selected. The image is displayed just like the image on the right.
- Click the "OK", "PLEASE TURN OFF THE POWER SWITCH OF WE-LL310" will be displayed
- Turn off the power of the master console and restart the LL system, the LL system will run at the selected system size.

(2) **INCOM STR STOP**

- When "ENABLE" is selected, the student tape recorder will be stopped at time of conversation.
- When "DISABLE" is selected, the student tape recorder will be kept at time of conversation.
- The initial state is set to "ENABLE".

(3) **PRINT FONTS SELECT**

You can set the printed fonts through clicking the "▼".



■ **Types Of Communications Between The Teacher And Students**

■ **To Let All the Students Listen to the Voice of the Teacher ..... All Call**

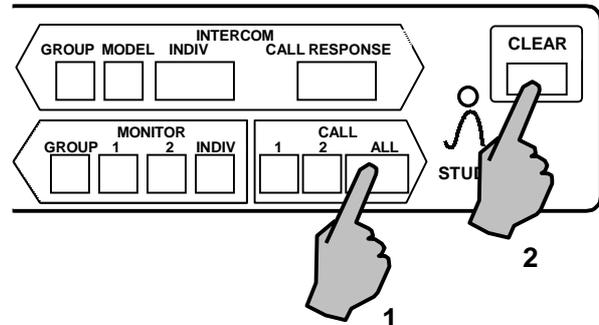
All the students can hear the voice of the teacher even during the lesson in which two types of program are used.

- (1) Press the "ALL CAL " .

The teacher speaks to all the students using the headset microphone of the teacher console.

- (2) The "ALL CALL" can be cleared by pressing the "CLEAR" button.

- The room speaker is automatically turned on even when the room speaker is off.
- The voice of the teacher cannot be recorded even when the student tape recorder is in the recording state.



■ **To Let Students by channel Hear the Voice of the Teacher ..... By – Channel Call**

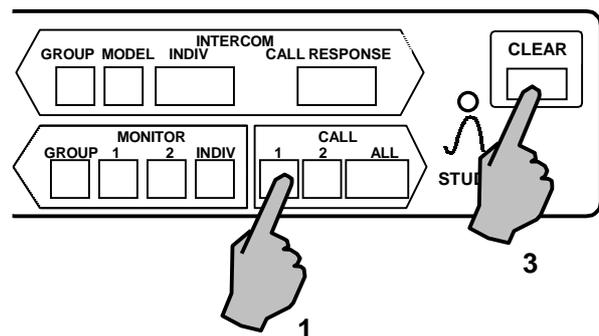
Have Students by Program Channel Hear the Voice of the Teacher.

- (1) Pres "CALL 1" (or "CALL 2") button of the channel on which the instruction of the teacher is required to be heard by students.

- (2) The teacher should now speak to the students using the microphone of the headset on the teacher console.

- In the case of "CALL 1", the teacher can speak to the students for the Program 1 only, and to those for the Program 2 in the case of "CALL 2".

- (3) The "CALL" can be cleared by pressing th "CLEAR" button.

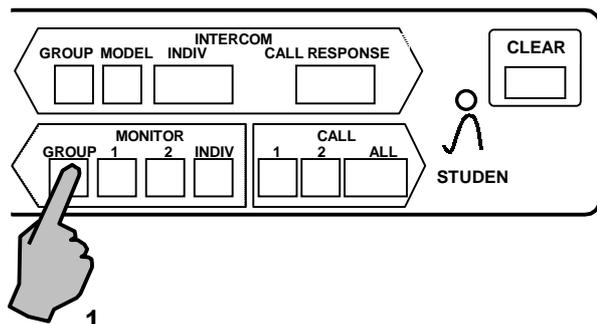


\* The voice of the teacher cannot be recorded even when the student tape recorder is in the recording state.

■ **To Hear the Learning Status of Up to Eight Students for 10 Seconds Each .....Group Monitor**

The Learning Status of Up to Eight Students Can be Automatically Monitored When So Specified

- (1) Press the "MONITOR-GROUP" button.

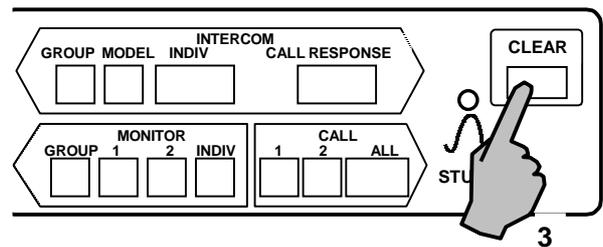
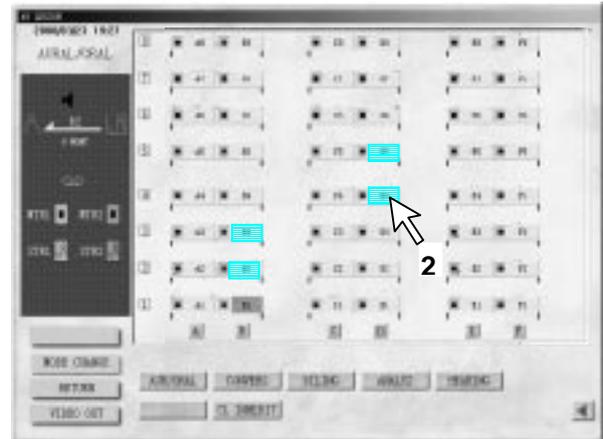


- (2) Select the student seats whose learning status is desired to be monitored. (Up to eight students)  
The learning status of each specified student can be automatically monitored for 10 seconds each.

\* When the teacher desires to change students to be monitored, select the “specified student seat numbers” once again to clear the previous selection. Then select the new student seats.

- (3) To clear the monitor mode, simply press the “CLEAR” button.

- Now, the function moves the mode to other function from the “Monitor Group”. If the “Monitor Group” state is established again, the monitoring is automatically and sequentially made as from student next to the one whose learning status monitoring has been stopped previously.
- When one student is specified, this remains stored in memory until the lesson is over (that is, until the power of the master console is turned off).
- \* The time and the monitor scanning direction can be changed by the “expert” function.

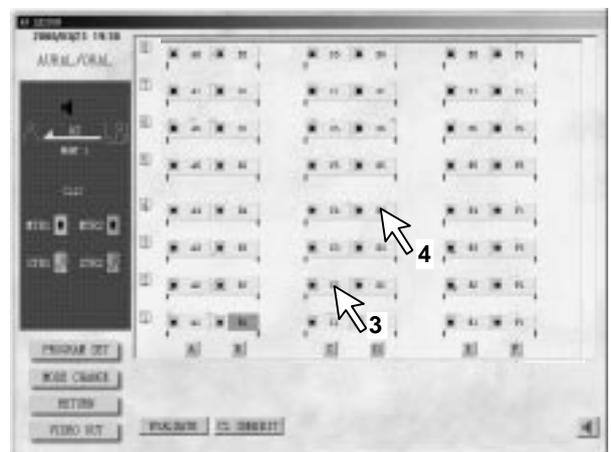
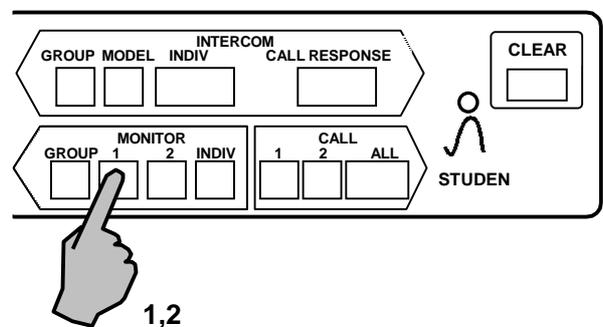


### ■ To Monitor the Learning Status of Students by Program Automatically for 10 Seconds Per Student ..... By Channel Monitor

The learning status of students by program is monitored for 10 seconds each.

- (1) Press the “MONITOR 1” (or “MONITOR 2”) button of the channel desired to be monitored. The student next to the previously selected student is placed into the monitor state. But after turning on the power switch, or when the channel is changed by the “Program Set”, the student of the youngest numbered seat is selected. Monitoring can be made for 10 seconds per student.
- (2) When other student of the same channel is selected, this student is monitored by the teacher. Auto scan begins thereafter. The next student is selected when the “MONITOR” button of the same channel is pressed before an elapse of 10 seconds.
- (3) When the student being monitored is selected, this student can be monitored once again. When the “MONITOR” button of the same channel is pressed, the next student begins to be monitored, and the auto scan is resumed.
- (4) If the student of other channel is selected during monitor by channel, this student begins to be monitored, and the monitor individual mode is selected.

\* The time and the monitor scanning direction can be changed by the “expert” function



■ **To Know the Learning Status of a Student .....Individual Monitor**

Each individual student can be monitored.

- (1) Press the “MONITOR-INDIV” button.

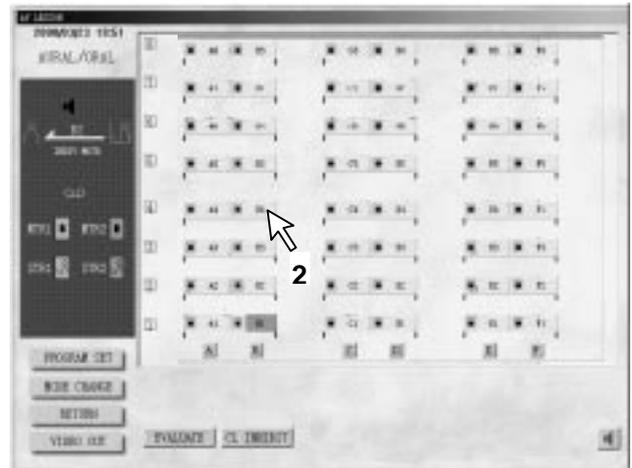
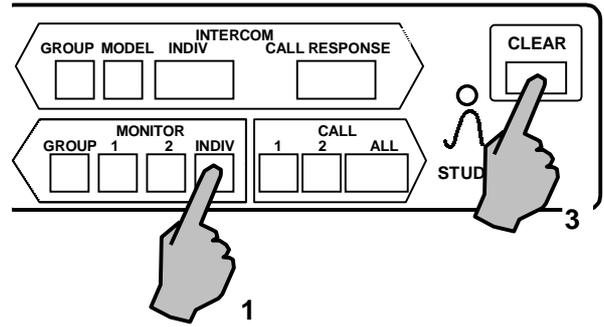
The student A1 (or the student hither to being monitored immediately before him or her) is monitored.

To monitor the student of the next seat, the “MONITOR-INDIV” button should be pressed once again. (Monitor scan function)

- (2) The desired seat position should be selected when it is desired to monitor a specific student irrespectively of the seat sequence.
- (3) To clear this monitor mode, press th “CLEA ” button.

- If a student seat is selected when the function of communications between the teacher and a student is not being used, the Monitor Individual mode can be automatically selected.
- When the seat of a student is selected during the “ROW PAIR/COL PAIR”, the corresponding group can be monitored by selecting the seat of one student during the group lesson.

\* The scanning direction can be changed by the “Expert” function.



**MONITOR SCAN**

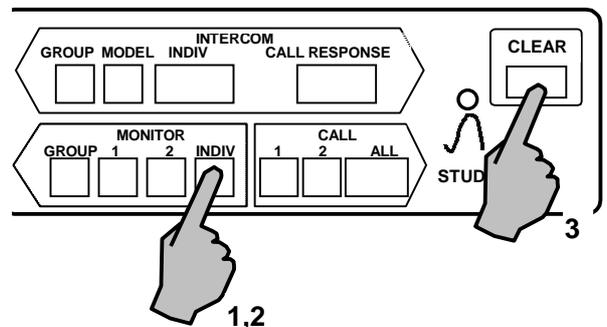
All the students are monitored in order of seat numbers.

- (1) Press the “MONITOR-INDIV” button.

- The student next to the student being monitored immediately before is monitored.

- (2) The seats are sequentially monitored by pressing th “MONITOR-INDIV”.

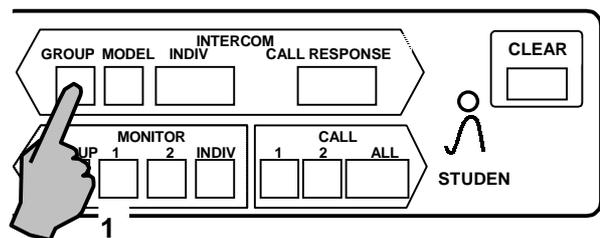
- (3) The monitor is cleared by pressing the “CLEAR” button.



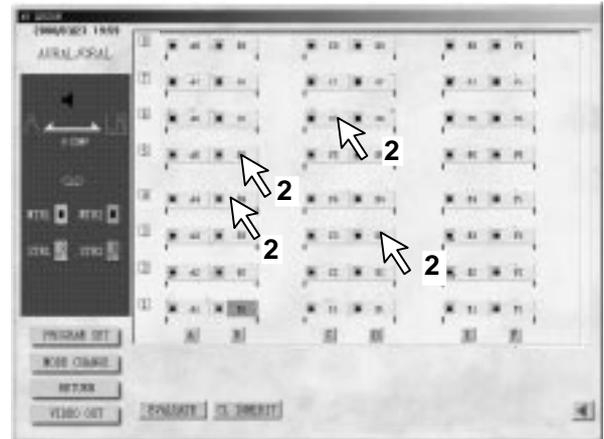
■ **To Communicate between the Teacher and Up to Eight Students ..... Group Intercom**

Communications between the teacher and up to eight students can be made.

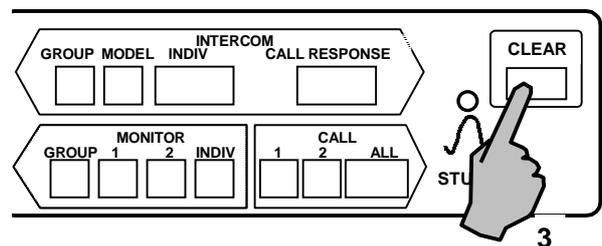
- (1) Press the “INTERCOM-GROUP” button.



- (2) Select the seat section of the student with whom the teacher desires to communicate. (Up to eight students) To change students, select the currently specified student seat once again to clear the previous selection. So, select the next student.



- (3) To clear this mode, press the "CLEAR" button.



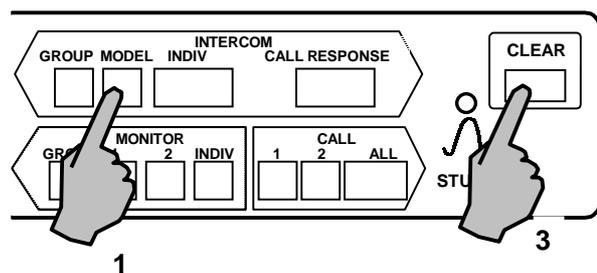
- When the "INTERCOM GROUP" button is pressed during the execution of the Intercom Individual, Monitor Individual, and Call Response, the corresponding student becomes the specified student of the "Group Intercom".
- When the call response is made to all students other than the one specified during the Group Intercom mode, the conversation of the students in the Intercom Group mode continues. When the call response is over, the teacher returns to the Group Intercom mode.

(The same applies to the case of the Intercom model.)

- When the student tape recorder is put in the recording state, the conversation is recorded on the program track of the booth tape recorder.
- \* The student tape recorder of the student cleared operates according to the remote control of the master console. The student tape recorder of the student in the "Group Intercom" cannot be remotely controlled.

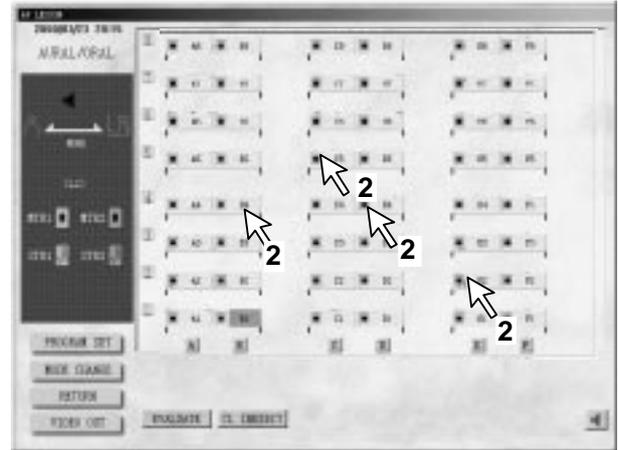
■ **Have All Other Students Learning with the Same Program Listen to the Conversation between the Teacher and Up to Eight Students ..... Model**

- (1) Press the "INTERCOM-MODEL" button.



(2) Select the seat position of the student to be set for "Mode". (A maximum of eight students) Other students using the same program can hear conversation between the teacher and the "Model" student.

(3) The Intercom Model is cleared by pressing the "CLEAR" button.

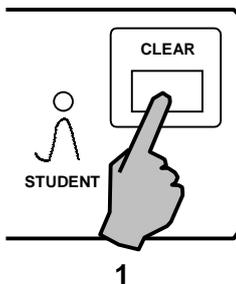


- When changing the model student, select the seat position of the model student once again to clear the previous setting. So, select the student seat position desired to be made a "Model".
- When the "INTERCOM MODEL" is pressed during the execution of the Intercome Individual, Monitor Individual, or Call Response, the specified student is placed in that state. (This cannot be made by the Call Response during the conversation lesson.)
- When the student of a channel other than that of the initially selected student is selected, and the student is not made a "Model" student.
- When the student tape recorder is placed in the recording state, the contents of the conversation are recorded on the program track.
- \* The program channel of the initially selected student becomes the model channel.

### WHEN MAKING OTHER PROGRAM CHANNEL AN INTERCOM MODEL

#### Method 1.

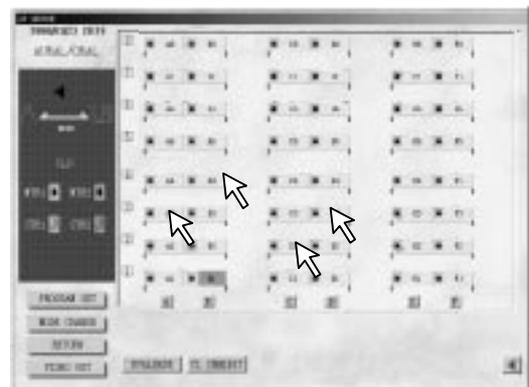
- Press the "CLEAR" button to clear the "Intercom Model". Then, press the "INTERCOM MODEL" button once again and specify the student of a desired program channel.



Select a desired student of other program channel and makes hi or her a "Model".

#### Method 2.

- Select all the students made "Model" to clear the model students. Then, select students of the program channel desired to be made "Models".
- The model function can also be used while sending out a program, or playing back the student tape recorders of "Model" students.



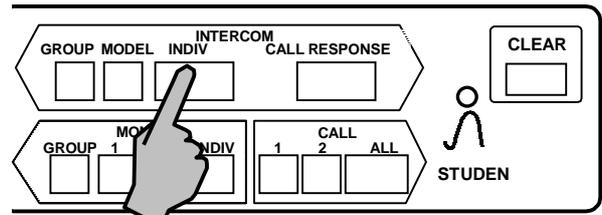
■ **To Communication between the Teacher and the Specified Student.....Individual Intercom**

Communications can be made between the teacher and the specified students.

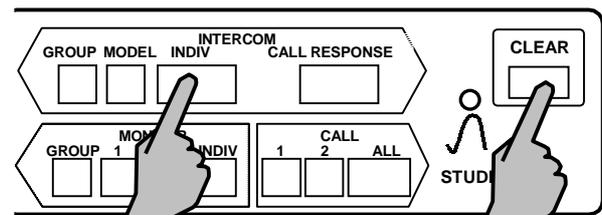
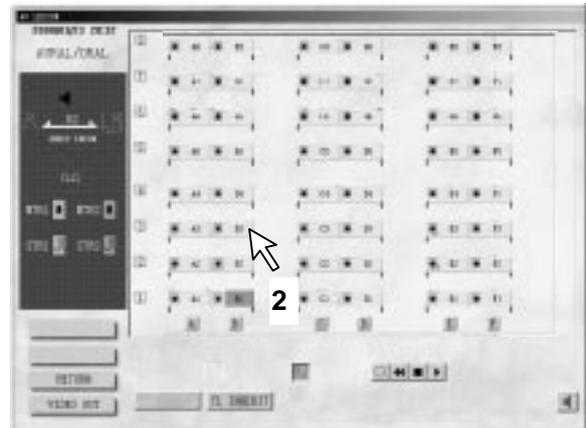
- (1) Press the "INTERCOM-INDIV" button.
- (2) Select the name of the student with whom the teacher desires to communicate.  
Communications can be made between the teacher and the selected student.
- (3) When the teacher desires to communicate with the student next to the currently communicating student, press the "INTERCOM-INDIV" button once again. (Intercom Scan Function .)
- To communicate with other student, the step 2 above should be repeated.

To make remote control of the student tape recorder of a student now in the process of communications, operate the <Individual> remote control that is automatically displayed on the screen when the Intercom Individual has been selected. The <Individual> remote control is not displayed during conversation. Also, the student in the recording state by the remote control of the student side cannot be <Individual> remote controlled.

- (4) The communication can be cleared by pressing the "CLEAR" button.
- In the case of conversation lesson, the teacher can communicate with all the students of the same class to which as the specified student belong.
- \* The scanning direction can be changed by the "Expert" function.



1



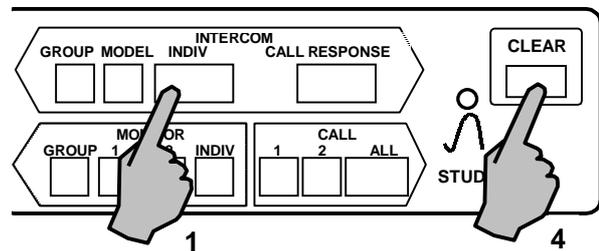
3

4

**INTERCOM SCAN**

- Communicate with students sequentially. (After specifying the student of the Intercom Individual.)

1. Press the "INTERCOM-INDIV" button once again after performing the step (2) of the Intercom Individual.
2. The teacher can communicate with the next student.
3. Communications can be sequentially made whenever the "INTERCOM-INDIV" button is pressed.
4. The communication can be cleared by pressing the "CLEAR" button.



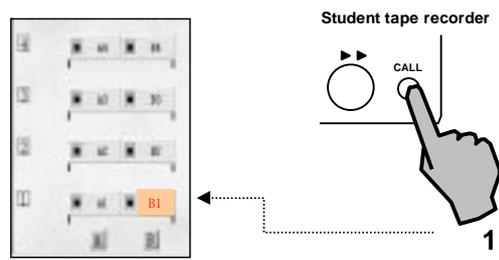
1

4

■ **When a Student Desires a Question to the Teacher ..... Call Response**

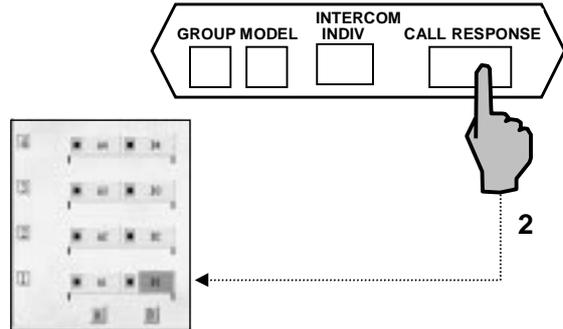
The teacher presses the “CALL RESPONSE” button to communicate with the student when a call is made to the teacher from the student side.

- (1) The call can be reserved when a student presses the “CALL” button of the student tape recorder.
  - The number of calls which can be reserved is up to 80 students.
  - The color of the seat name of the students reserved for a call turns red purple.

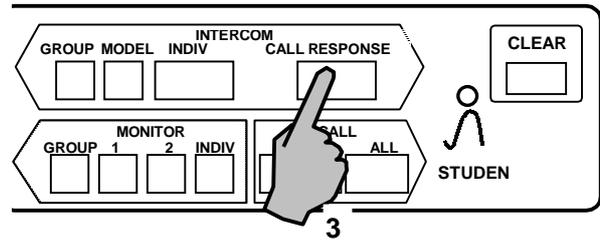


- (2) The teacher can communicate with the student by pressing the “CALL RESPONSE” button on the teacher console.
 

When the “CALL RESPONSE” button is pressed once again, communications can be made with the next reserved student. Further, communications with the still next reserved student whenever the button is pressed.



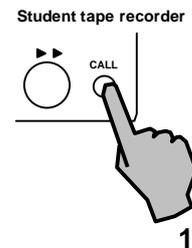
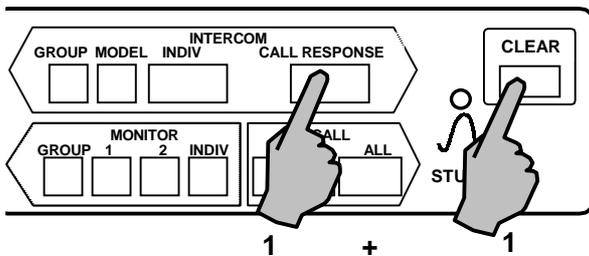
- (3) When the “CALL RESPONSE” button is pressed after a call with all the reserved students, the “Call Response” is cleared.



**TO CLEAR THE RESERVED CALL**

To clear all reserved calls from the teacher console, press the “CLEAR” button while holding the “CALL RESPONSE” button and then release it.

To clear the reserved call of a student by himself or herself, press the “CALL” button once again.

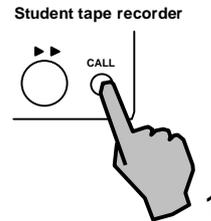


## REALIZE THE OTHER FUNCTIONS BY USING CALL RESPONSE FUNCTION

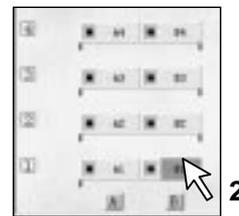
- **To use the call response function as a 2-selector analyzer**

When the "CLEAR" button is pressed while holding the "CALL RESPONSE" button, all the reserved calls can be cleared. Utilizing this advantage, the analyzer can be used as a 2-selector type.

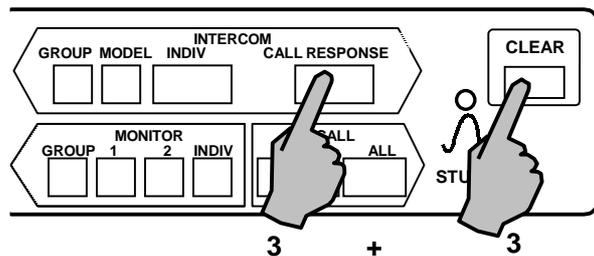
- (1) Let students to select either 'Yes' or 'No' and have either one of them press the "CALL" button of the student tape recorder.



- (2) Check the "CALL" mark shown on the display screen and judge the response status.

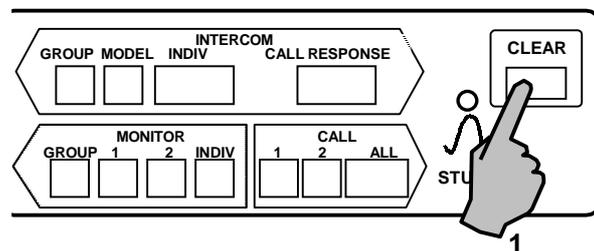


- (3) To clear the analyzer function, press the "CLEAR" button while holding the "CALL RESPONSE" button, and release it.



### To clear the MIC mixing and communications function (clear)

- (1) Press the "CLEAR" button.
- (2) The program monitor is automatically set when the "CLEAR" button is pressed during MIC mixing in the program reserved state (when the program monitor lamp indicator is lit).



The program monitor cannot be brought into effect without program monitor reservation.

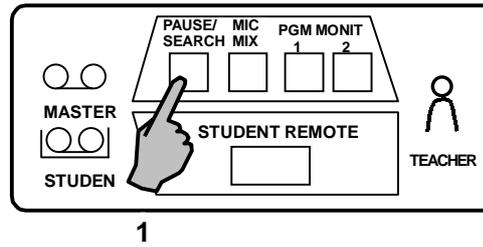
- \* The "REGISTER" of the "Monitor Group" cannot be cleared even the "CLEAR" button is pressed until the power is switched off. (The monitor state is cleared.)

## ■ Control of Master Tape Recorder

### 1. Pause Control

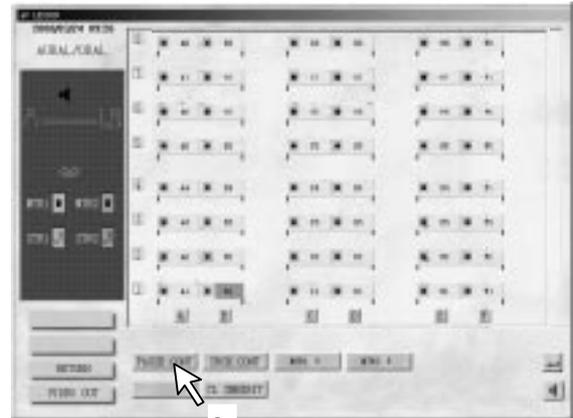
To Send a Program While Creating the Time for Practice by Students.

- (1) Press the “PAUSE/SEARCH” button.
  - The master remote control image is displayed on the screen.



1

- (2) Select th “PAUSE CONT”.



2

- (3) Select the program channel desired to be pause controlled. To change the sentence space tim and practice time, the respective portions must be selected.

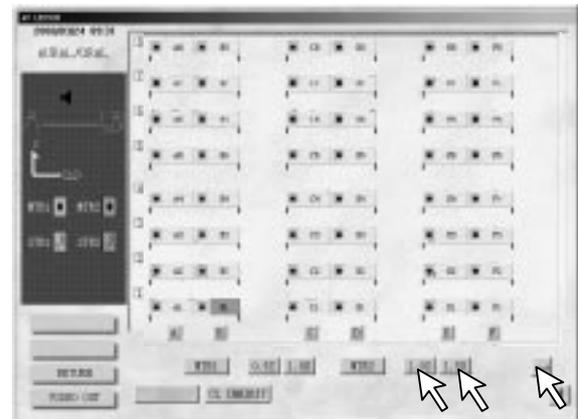
- (3)-1 Whenever the sentence space time is selected, the time changes as below:

0.5 sec. → 1.0 sec. → 1.5 sec. → 0.5 sec.

- (3)-2 The practice time changes whenever selected:

1.0× → 1.5× → 2.0× → 1.0×

- (4) The display returns to the master remote contro image display when the “↵” is selected.



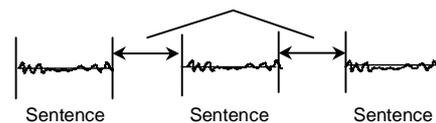
3-1 3-2 4

### CAUTIONS:

- \* To operate the pause control function properly, it is advisable to use a program cassette tape of th following sentenc space time.

Sentence Space Time of Pause Control Function	Sentence Space Time of Program Cassette Tape
0.5 sec.	1 sec. or more
1.0 sec.	1.5 sec. or more
1.5 sec.	2 sec. or more

#### Sentence space time of teaching cassette tape



- \* A search failure of sentence, or the heading of the next sentence may be heard when a teaching material cassette tape of less than the specified sentence space time is used.

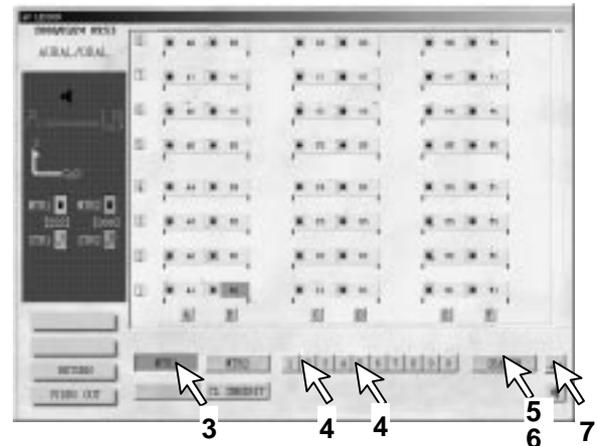
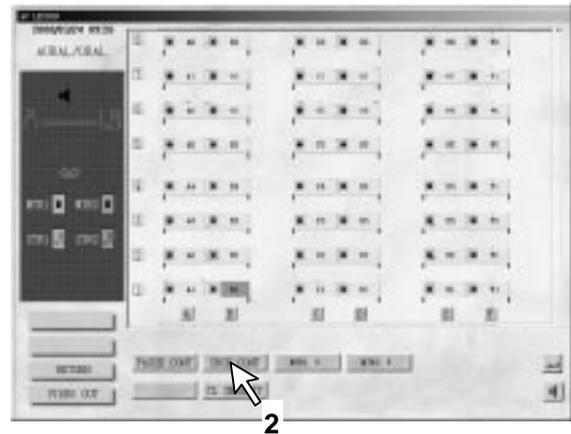
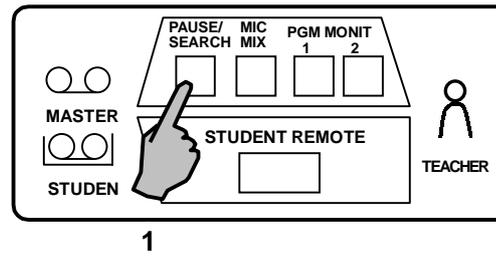
## 2. Search Control

To Make a Search for Program Tape.

### CAUTION:

Rewind the program tape to its beginning before use and reset the tape counter of the master tape recorder. Then make necessary search control.

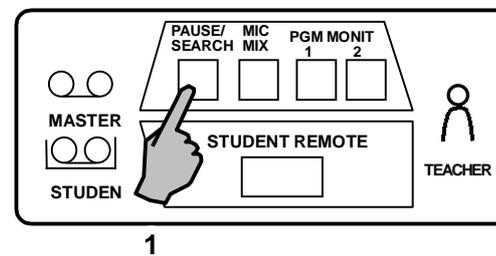
- (1) Press the "PAUSE/SEARCH".
  - The master remote control image is displayed on the screen.
- (2) Select th "SRCH CONT".
  - The search control image is displayed on the screen.
- (3) Select the master tape recorder desired for search control.
- (4) Select the reading of the tape counter.
  - When the specified counter reading section is selected, the specified counter is cleared to [000].
- (5) Select th "SEARCH".
- (6) To clear the search halfway, the "SEARCH" should be selected once again.
- (7) When th "↵" is selected, the display returns t the master remote control image.



## 3. Manual Pause

To Stop the Tape Temporarily While Sending Program out.

- (1) Press the "PAUSE/SEARCH" button.
  - The master remote control image is displayed on the screen.
- (2) The pause state is established when the "Manual Pause is selected while the corresponding master tape recorder is being played back.
  - The pause is cleared when the master tape recorder is operated after the manual pause is selected once again.



■ **Control of Master Console**

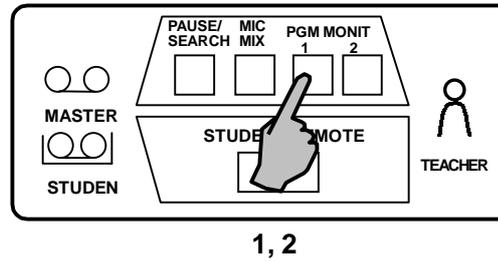
■ **Control of Master Console**

1. **Program Monitor**

When the Teacher Desires to Listen to a Program.

The teacher can hear the program sound bein sent out of the master tape recorder.

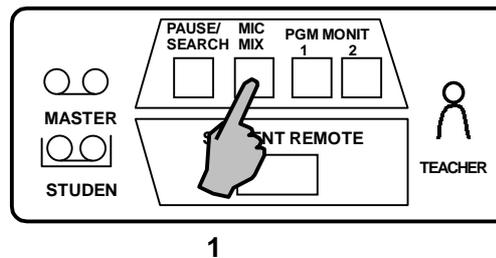
- (1) Press the “PRG MONI ” button of the program No. (1,2) desired to be monitored.
  - There are indicator on the screen.
  - The program sound can be heard from the headset of the master console.
- (2) The program monitor can be cleared by pressin the “PRG MONIT” button once again.



■ **MIC Mixing**

To Send the Voice of the Teacher Together with the Program Soun .

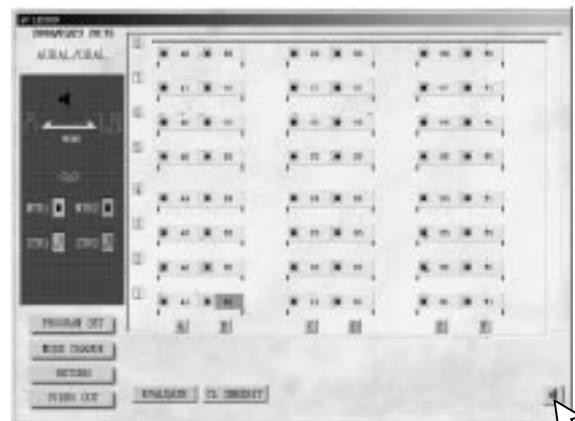
- (1) Press the “MIC MIX” button.
  - When words are spoken into the headset microphone of the master console, or the cable microphone, microphone mixing can be made with the channel on which the program monitor has hitherto been made.
  - If the monitor channel is not set, the channel 1 is microphone mixed.
- (2) The program monitor is selected by pressing the “CLEAR” button.



■ **Speaker On**

To Send the Sound from th Speaker .

- (1) Select “ ”
  - The program sound, the voice of the teacher, that of a student, etc. can flow from the speaker.
  - Speaker display becomes “ ”
- (2) When th “ ” is selected once again, the speaker is switched off.
  - In case of All Call, the room speaker is automatically switched on.



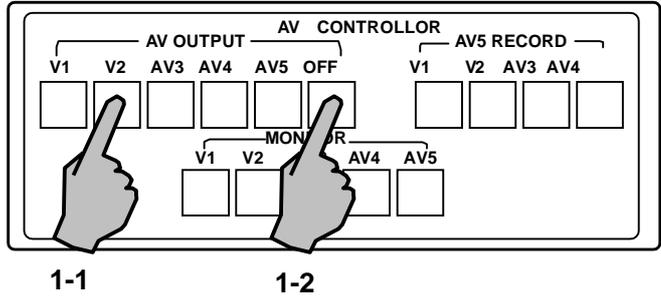
1 2

■ **Control Of Video Signal**

Through AV controller on the teacher console WE-LL310, Changes in various kinds of AV signal may be realized. There have a total of 5 lines of AV signal input.

**1. AV Output**

- (1) Pressing “V1/V2/AV3/AV4/AV ” button, teacher may deliver AV signal onto students’ display (or monitor).
- (2) Pressing “OFF” button, AV signal stops output.

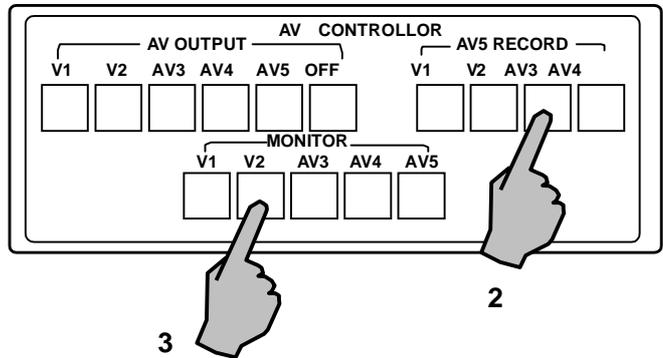


**2. AV5 Record**

Pressing “V1/V2/AV3/AV4” button, teacher may record AV signal through video tape recorder.

**3. Monitor**

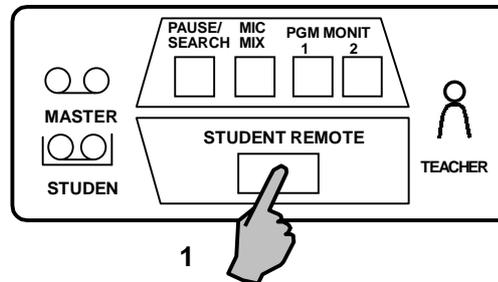
Pressing “V1/V2/AV3/AV4/AV ” button, teacher may monitor AV signal through display (or monitor) on master console.



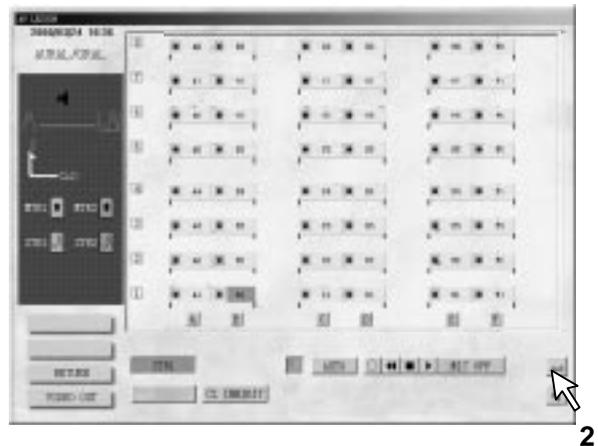
■ **Control Of Student Tape Recorder**

■ **Remote Control of Student Tape Recorder**

- 1. Press the “STUDENT REMOT ” button.
- The menu is displayed on the screen. To make remote control the tape recorder, select the menu corresponding to each operation.



- 2. When “↵” is selected, the display goes off.



■ **Each Menu Is Described Below:**

- Operation of 1-4 only by the student remote control can be made.
- Operation of 5-8 can be made by the student side in the case of student's operation.

**1. Remote Control Channel (STR 1, STR 2)**

- Make remote control after selecting the channel.
- It is cleared by the lesson change.

**2. Mic Off (MIC OFF)**

- This MIC OFF should be selected when sounds such as the teaching material sound of the microphone from the student side is not desired.
- When this menu is selected, the microphone of the student specified by the teaching material number is turned off.
- The menu is cleared when the "MIC OFF" is selected once again.
- This function is used by the remote control channel 1 or 2.
- No display of this function is made during conversation lesson.
- The function is cleared by lesson change or progra setting.

**3. Automatic Recording (AUTO REC)**

- Place the student tape recorder into the recording state after rewinding the cassette tape of the student tape recorder to its very beginning. Then, the operation till the playback of the master tape recorder is automatically done.
- No display is made during the conversion lesson and the bilingual lesson.

**4. Operation by Students (人)**

- Operation is done from the student side.

**5. Recording (O)**

- The student tape recorder is placed into the recording state.

**6. Rewinding (◀)**

- The student tape recorder is placed in the rewinding state.

**7. Stopping (■)**

- The student tape recorder is stopped.
- In the "AUTO REC" mode of operation, the master tape recorder is also stopped at the same time.

**8. Playing (▶)**

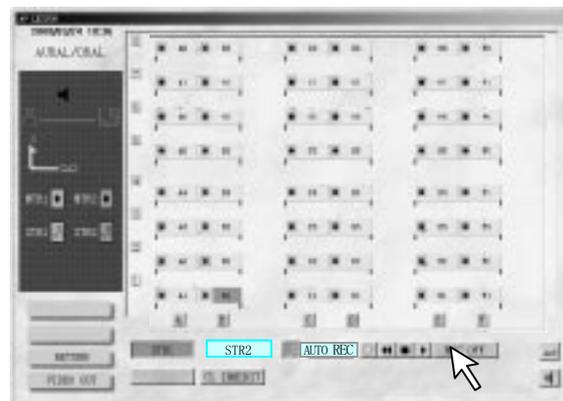
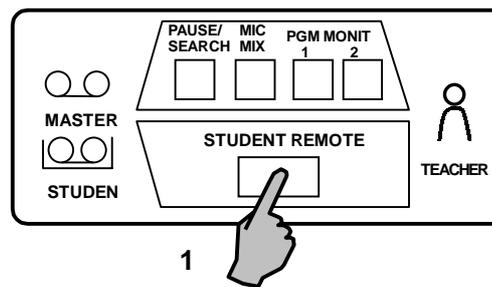
- The student tape recorder is placed into the play state.
- Tape playback is disabled during "All Call".
- In the program set and lesson change, the student tape recorder is automatically stopped.

■ **Mic Off**

To Cut Noise Coming from the Headset of th Student Tape Recorder When Recording Program.

- (1) Press the "STUDENT REMOT " button.
  - The menu is displayed on the screen.
- (2) The microphone of the headset on the student console side is turned off when the "MIC OFF" is selected.
- (3) The microphone is turned on when th "MIC OFF" is selected once again.

\* When the "Intercom" or "Call Response" is set during "MIC OFF", the microphone of the specified student is automatically turned on. The microphone of the self-learning students and late comers is not turned off in this case.



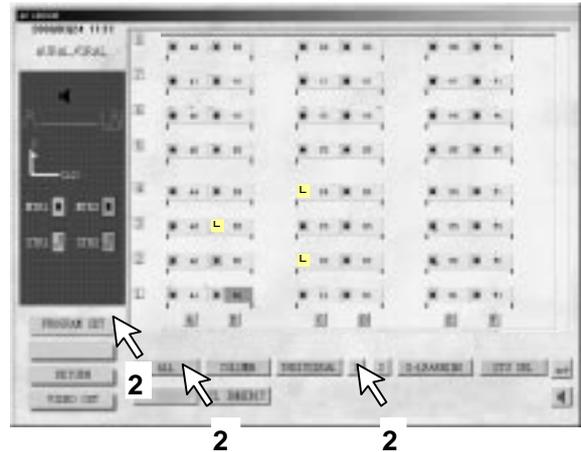
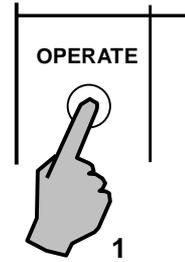
2 3

# LATE COMER PROCESSING

To Put A Late Comer To Participate In The Lesson.

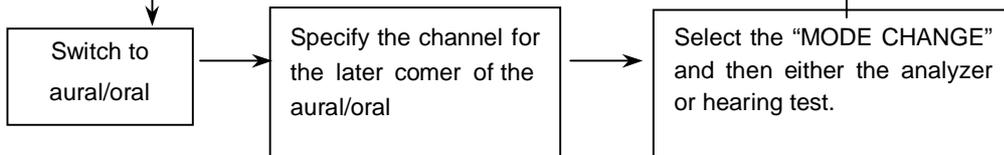
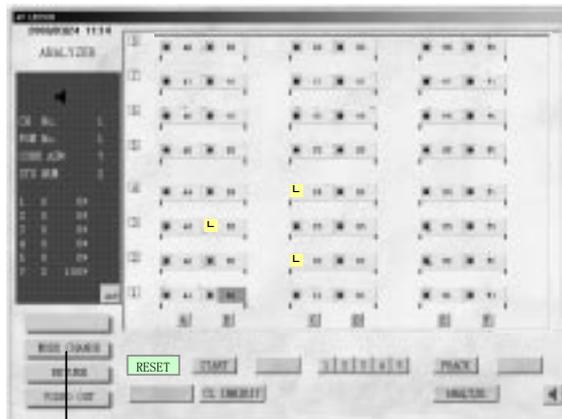
## ■ In The Aural/ Oral Lesson

1. "L" mark is displayed on the display screen when the operate button of the student tape recorder is turned on by the late comer.
2. When it is desired to let the late comer participate in the lesson, select either 1 or 2 by program setting.



## ■ For Analyzer And Hearing Test

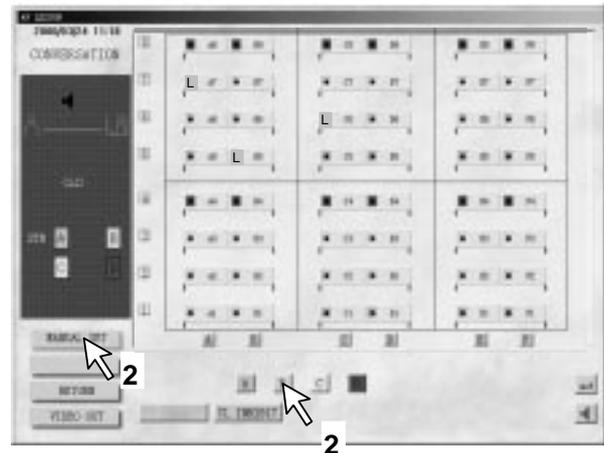
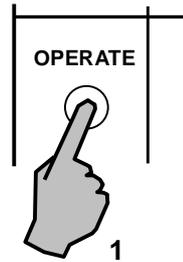
- When the late comer turns on the student tape recorder, a mark "L" is displayed. In this case, stop the lesson by switching to the aural/oral at a proper point, and specify a program channel the late comer. Now, switch the mode to the hearing test.



Select the "STUDY MODE CHG", cause the menu screen to appear, and then make a necessary instruction

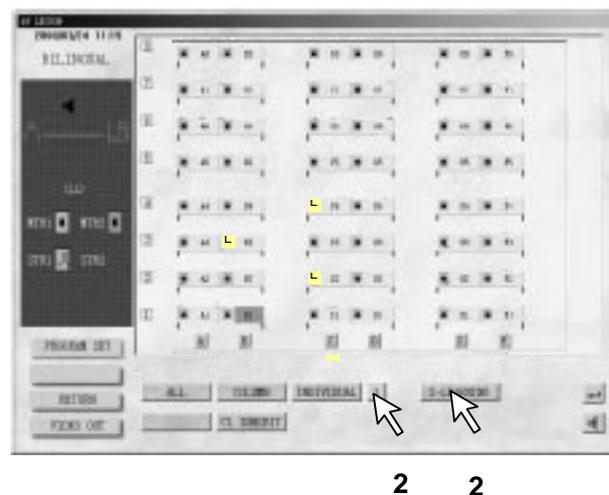
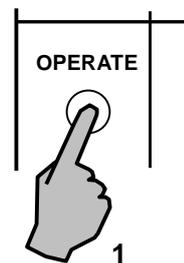
■ **In The Conversation Lesson**

1. "L" mark is displayed on the display screen when the operate button of the student tape recorder is turned on by the late comer.
2. When it is desired to have the late comer participate the lesson, manual setting is made, or assigning A, B, C, or D with the "ROW PAIR" an "COL PAIR", or "GROUP" selected.



■ **For Bilingual Lesson**

1. The "L" mark appears when the late comer turns on the operate button of the student tape recorder.
2. When it is desired to have the late comer participate in the lesson, select either "1" or "S-LEARNING" depending upon the program setting (assignment).



# PRINT OUT

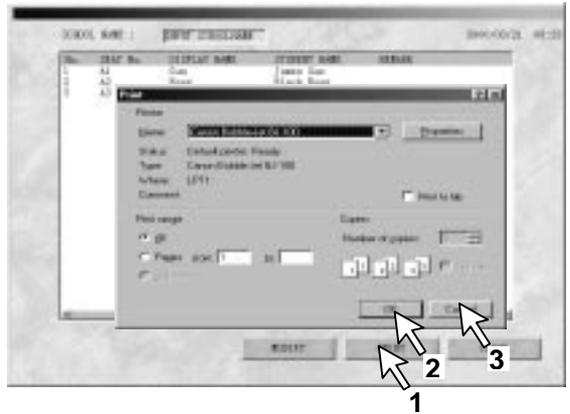
## ■ To Print Lesson Table

1. Select th “PRINT” in the menu of class select, the menu of printer is pop up.
2. Select th “OK” to print the lesson table.
3. To cancel the print, select th “Cancel”.



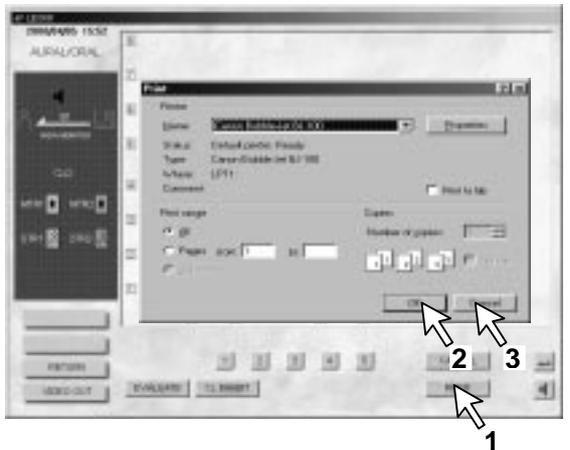
## ■ To Print the Seat Table for Student Name Entr

1. Select th “PRINT” in the menu in which the student name is displayed, the menu of printer is pop up.
2. Select th “OK” to print the seat table for students.
3. To cancel the print, select th “Cancel”.



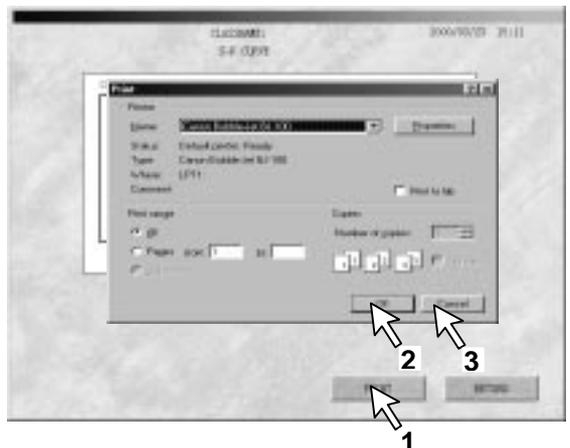
## ■ To Print Evaluation Results

1. Select th “PRINT”.  
After the teacher evaluated the performance of all the students, select the “PRINT”.
2. Select th “OK” to print the evaluation.
3. To cancel the print, select th “CANCEL”.



## ■ To Print Analyzer Sheet and Curve

1. Select th “PRINT” in the menu in which the “PRINT” is displayed , then the menu of print is pop up.  
The current sheet or curve is printed.
2. Select th “OK” to print the current sheet or curve.
3. To cancel the print, select th “CANCEL”.



# LLCONFIG SETTING

Enable to set up the monitor position and the serial ports of computer which is used by LL system.

## 1. Basic Operation

### ■ Set Up of LLCONFIG

Double-click the “LLCONFIG” prompt mode on the desktop of windows, the image of “LLCONFIG” is displayed .

#### (1) Monitor Position

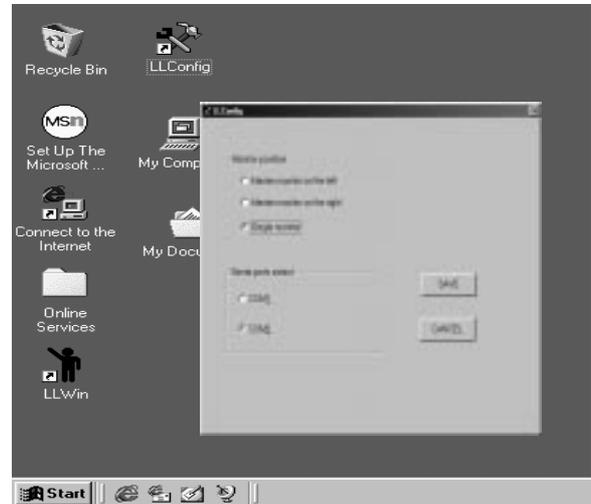
For detail operations, please refer the next page.

#### (2) Serial Ports Select (COM1, COM2)

COM1: COM1 of computer is used by LL system.

COM2: COM2 of computer is used by LL system.

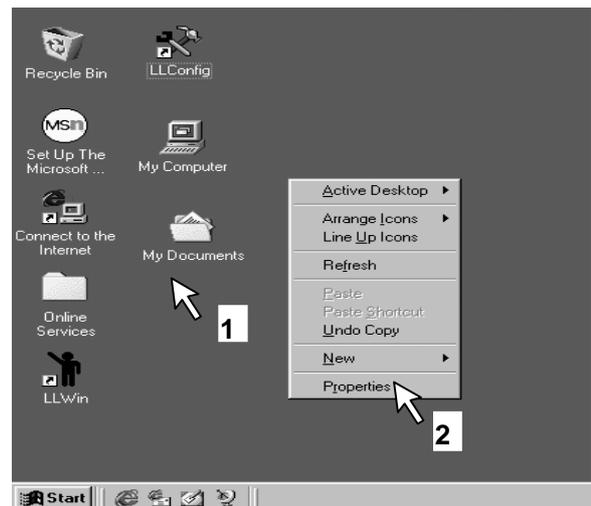
- After setting up, Exit the “LLCONFIG” by clicking the “SAVE”.



### ■ Set Up of Monitor Attribute

(1) Right-click the mouse in region as the imager on the right, the pop-up window is displayed.

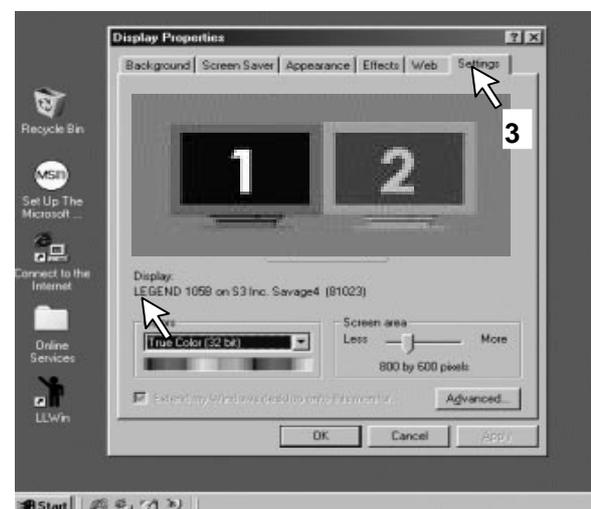
(2) Move mouse to “Properties” and click the mouse . The menu of display properties is displayed



(3) Click the “Settings”, the image is displayed just like the image on the right.

- The image on the right is double monitor setup mode, 1 being master monitor, 2 being assistant monitor .

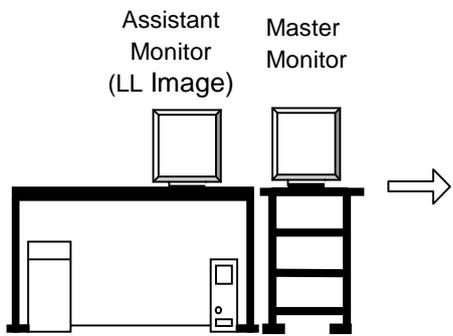
- Drag the image region of monitor1 to the right side, the master monitor and the assistant monitor has exchanged.



**2. Monitor Placement Mode and Setup of Parameters.**

The use of double monitors would not affect operation of LL system when teacher utilizes multi-media video signal teaching. It brings lots of convenience to teacher.

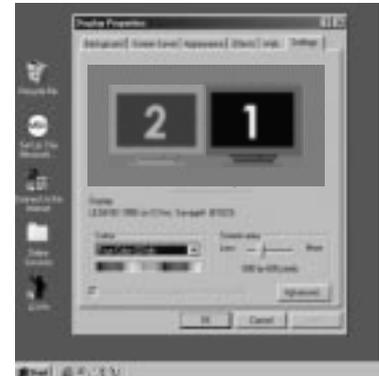
**(1) Master Monitor On the Right**



Placement of Monitor

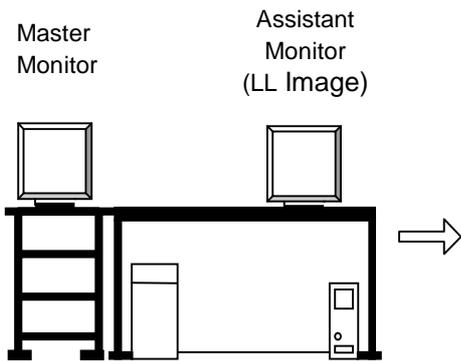


LLCONFIG Setup



Monitor Attribute

**(2) Master Monitor On the Left**



Placement of Monitor

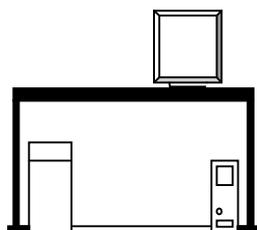


LLCONFIG Setup



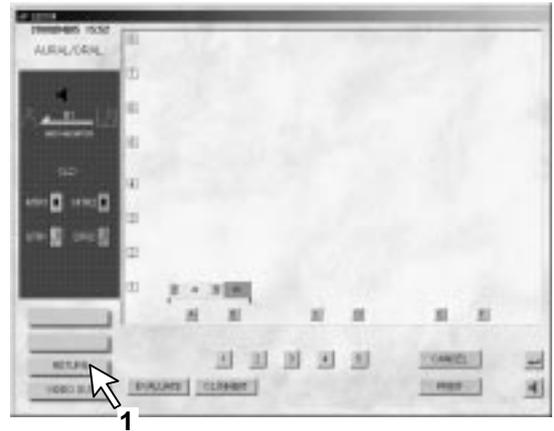
Monitor Attribute

**(3) Single Monitor**

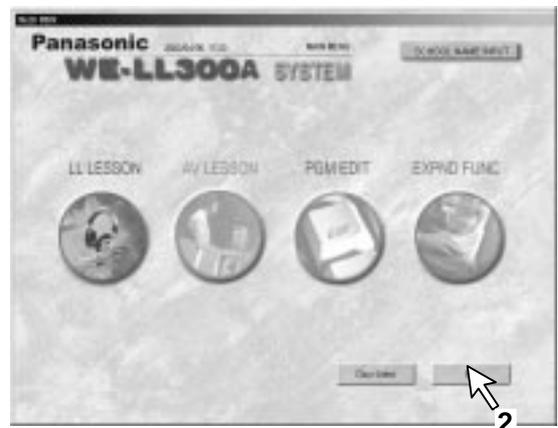


## END OF LESSON

1. When the lesson is ended, Click th “RETURN” in an menu.



2. Click the “Exit”.



3. When th “PLEASE TURN OFF THE POWER SWITCH OF WE-LL31 ” is displayed on the screen, turn off th power of WE-LL310. The system will return the state of windows a few seconds later.

- The operate button of all the student tape recorders ar automatically turned off.
- Turn off the power of control unit WE-LL320.
- Even if the power switch of the student tape recorders are turned off when the power switch of the LL body is on, the power of the student tape recorders cannot b turned off.



### ■ Turn off the breaker.

**Caution:** Please turn off the breaker after the power indicator lamp of the LL body has gone off.

**Matsushita Electric Industrial Co., Ltd.**  
Central P.O.Box 288, Osaka 530-91, Japan