CORELOGIC™

CL2998DP ISDN PHONE

User's Manual

Beijing CoreLogic Communication Co., LTD

2001

Content

Ⅰ. Introduction

Thanks for choosing CoreLogic CL2998DP ISDN Phone. With CL2998DP ISDN phone, you can set for it a ringing tone that is different from others. Baby-sitting feature let you to monitor the room while you are out of the room.
You can hold a phone meeting with CL2998DP for it's 3-party conference function.
For more features of CL2998DP, please read this manual.

Beijing CoreLogic Communication Corp. LTD
May 2001.

Ⅱ. Front Panel

2
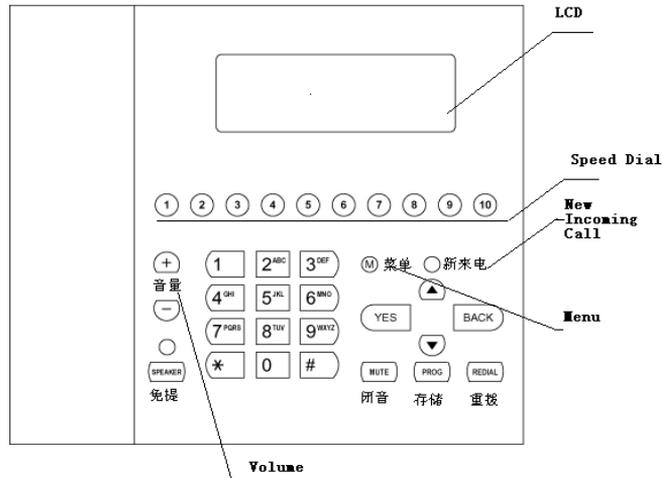
Ⅲ. Flow Chart of Main Menu

LCD display：
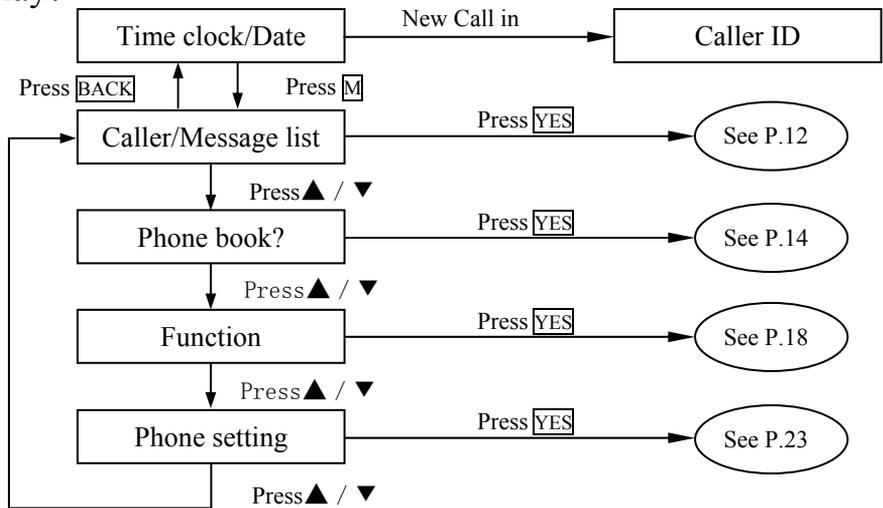
Fig2. Main Menu Flow Chart of CL2998DP ISDN Phone

Ⅳ. Installing & Wiring

1. Package Content

```
CL2998DP  phone body                 1
Handset                              1
Cable for handset (RJ-8)            1
Cable for S/T port (RJ-45)          1
User's manual                        1
Warranty card                        1
```

2. Wiring

Please connect the handset and RJ-8 socket on the bottom of phone set with RJ-8 cable, connect phone set and S/T socket on NT1 (or NT1 Plus) with RJ-45 cable.

3. Working environment

Using and storing this device on a plain, dry and clean place. Keep away from humid, high temperature and strong radio source.

Ⅴ. Features

1. ISDN Independent features

♦ Speakerphone operation
♦ Volume adjustment of loudspeaker
♦ Adjustable ring pitch and volume
♦ Phone silent (Do not Disturb)
♦ Muting
♦ Date/time display
♦ 10 Direct memory key dialing
♦ Partial call block

- ♦ Global call block
- ♦ Baby Sitting (room monitoring)
- ♦ Call duration display
- ♦ 5-digit PIN code
- ♦ Phone book
- ♦ Redial
- ♦ 50 indirect memory dial numbers (including 10 direct keys)
- ♦ Caller list with 50 entries
- ♦ DTMF-dialing

2. ISDN features

- ♦ Euro-ISDN protocol DSS1
- ♦ 3 multiple subscriber numbers (MSN)
- ♦ Caller-ID presentation (CLIP)
- ♦ Caller-ID suppression (CLIR)
- ♦ Call Waiting
- ♦ 3-party conference
- ♦ Call forwarding unconditionally

- ♦ Call forwarding if busy
- ♦ Call forwarding if no reply
- ♦ Call on hold
- ♦ Go into inquiry
- ♦ Two-way-splitting
- ♦ On-hook dialing

3. Keys

- ♦ 10 direct memory-dialing keys from 1-10, the corresponding location in PHONE BOOK are 01-10.

REDIAL

- ♦ Redial key with history function (3 number). Press the key until you locate your desired number on the LCD display, then the phone will finish the dialing for you with the speakerphone ON.

◯   MUTE

♦ Press to mute the microphone when there is a
  line connected to the phone. The Led will be ON
  when the phone is in MUTE state.

| Speaker |

♦ Press the key to turn ON/OFF the speakerphone.
  If numbers are pressed before the SPEAKER key is
  pressed, then the phone will dial the numbers
  for you (block dialing).

⊕

VOL(ume)

⊖

8

♦ Press the keys for volume +/- of the
  speakerphone while your are talking in the
  speakerphone mode.

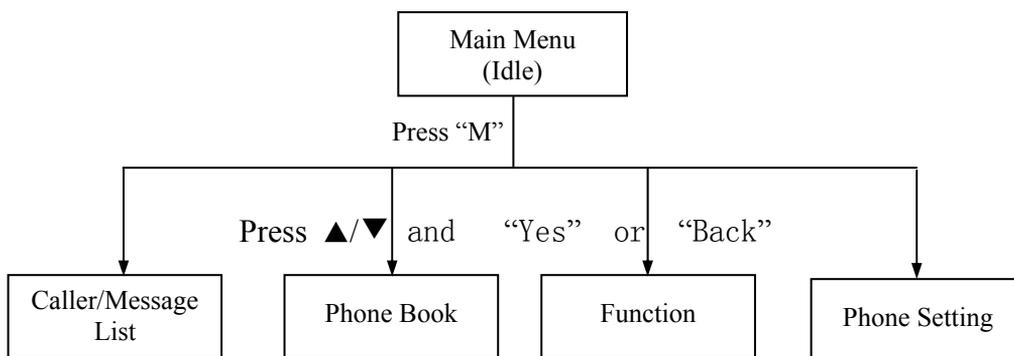# VI. Phone State & Operations

The ISDN phone has 6 main states based on the number
connected lines, incoming call and function activated
on the phone.

- IDLE STATE - No connected line, no incoming
  call.
- INCOMING CALL STATE - No connected line, one
  incoming call.
- ONE ACTIVE CALL STATE - One connected line, no
  incoming call.
- CALL WAITING STATE - One connected line, one
  incoming call.

9

- ONE HELD CALL and ONE ACTIVE CALL STATE - One connected line, one held line.
- 3-PARTY STATE - One connected line, one held line, 3-PARTY function activated.

1. Main Menu of IDLE STATE

```
                    ┌──────────────┐
                    │  Main Menu   │
                    │   (Idle)     │
                    └──────────────┘
                      Press "M"
    ┌────────────┬───────────┴──────────┬──────────────┐
  Press ▲/▼   and    "Yes"   or   "Back"
    │            │                      │              │
┌─────────┐ ┌──────────┐      ┌──────────┐   ┌──────────────┐
│Caller/  │ │          │      │          │   │              │
│Message  │ │Phone Book│      │ Function │   │Phone Setting │
│List     │ │          │      │          │   │              │
└─────────┘ └──────────┘      └──────────┘   └──────────────┘
```

10

(1) Press "M" key to enter the main menu of the ISDN phone when off-hook.
(2) The main menu contains 4 sub-menus for selection.
(3) Press the ▲/▼ key to browse the desired sub-menu and press the YES to select the sub-menu.
(4) Or to press the BACK to quit the main menu.

Idle state	The ISDN phone has no connected line.
Caller/Message List	Enter this menu for check Missed incoming call, answered incoming call and user-user message.
Phone Book	To enter the sub-menu of the phone book, SEARCH and PROGRAM it.
Function	To set for Call Forward, Call Waiting, Phone Silent and UUS (Send message to others)
Phone Setting	Enter this sub-menu to set for ringing tone, date/clock, MSN etc.

11

CALLER / MESSAGE LIST

In this mode, you can reach 3 sub-menus:

```
(1) Missed

 [Missed: XX    NEW: XX]

(2) Answered

 [Answered Call List?]

(3) View message

 [View Message?]
```

CID

CID Entry Display

CID Entry Delete

CID Entry Store

CID Delete Confirm

Name Input

CID Entry Display

Location Input
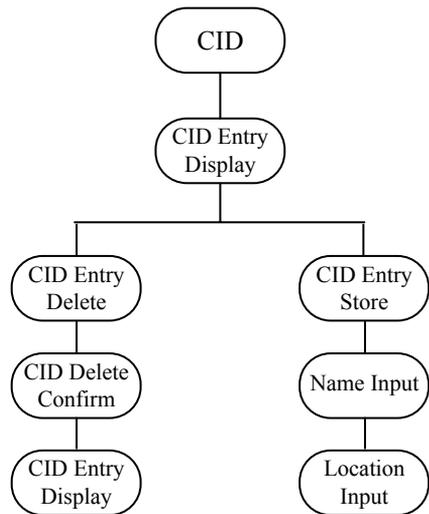
```
Press YES/BACK  and ▲/▼ key to browse the desired
sub-menu and view the information you need.
Press the YES to select the sub-menu, enter a menu
```

```
for checking Missed incoming call, answered
incoming call and user-user message.
In above 2 Caller lists, you can call back, delete
each item or store them to phonebook as follow
steps:
```

```
(1) Call back the incoming calls
    Browse to a desired item with ▲/▼ keys, Press
    "REDIAL" key, or press "SPEAKER" key or pick up
    the handset to redial this caller.
```

```
(2) Store the number of the caller list item
    Browse to a desired item with ▲/▼ keys, press
    "PROG" and "YES" key, then input the name for
    this Caller. There the key "1" is for space, key
    "—" is for backspace. Note: Maximum series
    number is 50.
```

```
 (3) Delete new caller list item.
    Browse to a desired item with ▲/▼ keys, Press
```

"—" and "YES" keys to delete this item.

Phone Book

CL2998DP ISDN Phone provides a phone book with a 50- enter capacity. Phonebook provides functions as follows:
♦ Display the caller's name
  CL2998DP can display caller's name and phone number if you have already entered them to the phonebook.
♦ Speed dial
♦ Search Phone Book: To search the phone book records for dialing by character input on keypad.
♦ Programming the phonebook

(1) Phone Book of CL2998 can store up to 50 records from location 01-50,and each record is divided into two fields:

14

    a. 20-character name field
    b. 20-digit number field

(2) The first 10 items in phonebook are corresponding to the 10 speed-dial keys on front panel of ISDN phone 1~10. Please try to enter most often used caller's ID into first 10 items of the phonebook.

(3) In Program Phone Book, press any keys on the keypad to input the name, phone number and the location of the record, and press YES to confirm the input.

(4) If you want to edit or delete Phone Book, please input the new message within the desired record in the phone book.

Phone Book

Program Phone Book — Edit Phone Book — Delete Phone Book

Program Phone Book
Phone Book Location Input
Name Input
Phone Number Input

Edit Phone Book
Name Character Input
Phone Book Entry Display
Phone Book Entry field Edit

Delete Phone Book
Name Character Input
Phone Book Entry Display
Phone Book Entry Delete Confirm

16
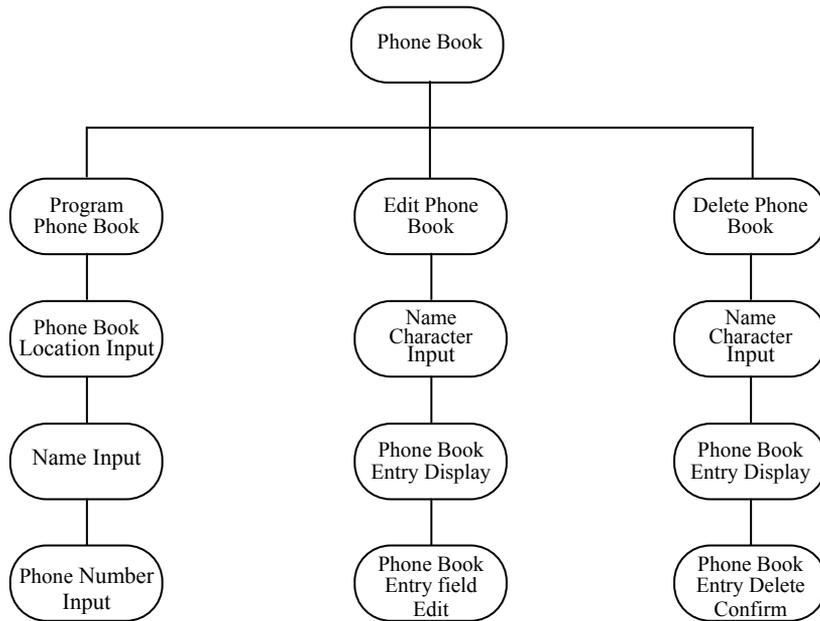
Search Phone Book

In Search Phone Book mode, the phone will asks for the first character of your desired record.

(1) Input the first character of the name
(2) The LCD will show the first record found for the character input
    [02: PETER WONG]
    [23197612   ]
(3) Press ▲/▼ to browse for the other records under this character.
(4) After the desired record is found, press "SPEAKER" or pickup the handset to dial the current item.
(5) Or press BACK to quit to the upper layer of the menu.

Search Phone Book
Name Character Input
Phone Book Entry Display
Phone Book Entry Dial Confirm

17
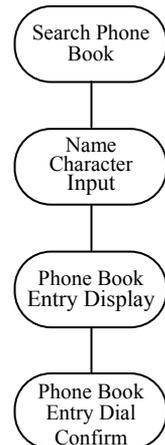
FUNCTION

Setting for Call Forwarding, Call Waiting, Phone Silent and Send Message, please go into FUNCTION sub-menu from IDLE STATE. Please start the settings by pressing "M" key.

♦ Forwarding: When needing switch incoming call to a specified phone number, please set the phone as described in following section.
♦ Call Waiting: By Call Waiting feature, while you are conducting a telephone conversation and a third party makes connection to you, a special call-waiting tone can be heard; the calling party will not hear busy tone.
♦ Phone Silent (Don't Disturb): If you temporarily want to avoid any incoming call, you can set CL2998DP to Phone Silent state.
♦ Send Message: This feature makes it possible for you to send a message to a phone number by typing

on the dial pad. Of course, the phone of called side must support UUS service.

Call Forwarding

Go into the Call Forwarding sub-menu and do as follow.

(1) Press ▲/▼ to select the number you want to forward,
    MSN A: the preset MSN A of the phone,
    MSN B: the preset MSN B of the phone,
    MSN C: the preset MSN C of the phone,
    Other no.: to input a new number.

(2) Press ▲/▼ to select the desired function
    a. Call Forwarding Activate,
    b. Call Forwarding Deactivate,
    c. Call Forwarding Status Check.

(3) Forwarding Target Number: input the phone number you want to forward to.

```
                         ┌─────────────┐
                         │    Call     │
                         │ Forwarding  │
                         └─────────────┘
         ┌──────────────┬──────────────┬──────────────┐
    ┌─────────┐    ┌─────────┐    ┌─────────┐    ┌──────────────┐
    │  MSN A  │    │  MSN B  │    │  MSN C  │    │ Other Number │
    └─────────┘    └─────────┘    └─────────┘    └──────────────┘
    ┌──────────────┬────────────────────────┬──────────────────┐
┌────────────┐        ┌────────────┐            ┌────────────┐
│    Call    │        │    Call    │            │    Call    │
│ Forwarding │        │ Forwarding │            │ Forwarding │
│  Activate  │        │   Status   │            │ Deactivate │
└────────────┘        └────────────┘            └────────────┘
      │        ┌──────────┼──────────┐                │
┌────────────┐ ┌──────────┐ ┌──────────┐ ┌──────────┐ ┌────────────┐
│ Forwarding │ │ Check CFU│ │ Check CFB│ │Check CFNR│ │ Forwarding │
│   Target   │ │  Status  │ │  Status  │ │  Status  │ │   Target   │
│Number Input│ └──────────┘ └──────────┘ └──────────┘ │Number Input│
└────────────┘                                         └────────────┘
   ┌──────┼──────┐                              ┌──────────┼──────────┐
┌────────┐┌────────┐┌────────┐       ┌──────────┐┌──────────┐┌──────────┐
│Activate││Activate││Activate│       │Deactivate││Deactivate││Deactivate│
│  CFU   ││  CFB   ││  CFNR  │       │   CFU    ││   CFB    ││   CFNR   │
└────────┘└────────┘└────────┘       └──────────┘└──────────┘└──────────┘
```
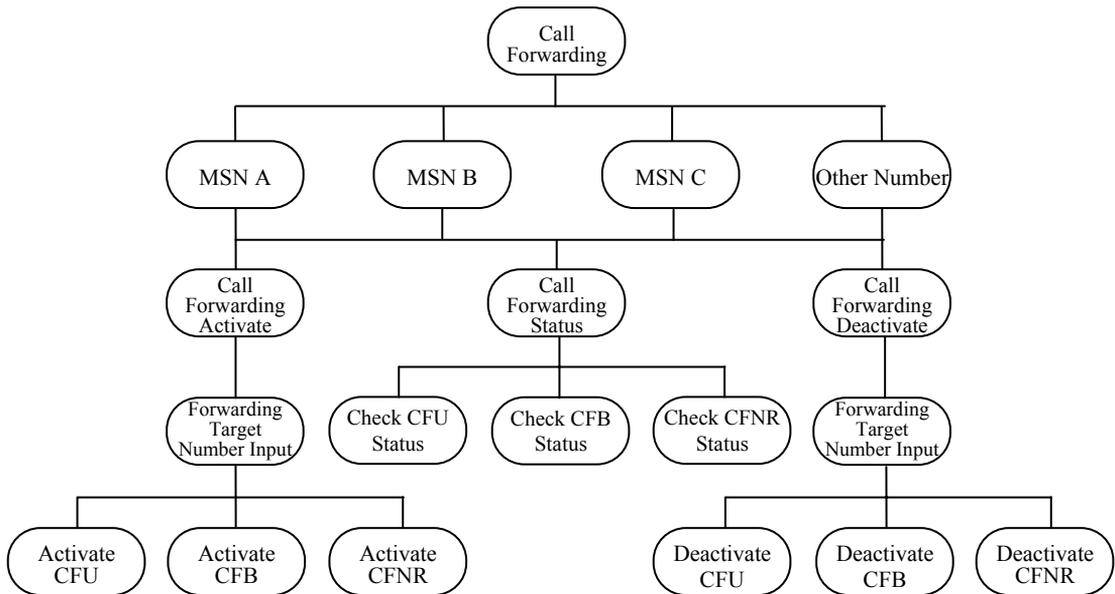
20

(4) After input the target number, press ▲/▼ to
    browse for the type of forwarding function,
        a. Call Forwarding unconditionally (CFU),
        b. Call Forwarding Busy (CFB),
        c. Call Forwarding No Reply (CFNR).

(5) Press YES to confirm the selection.

(6) For the Status Checking, no need to input the
    target number.

CALL WAITING STATE
1. When the phone has one active call and one
   incoming call, then the phone will show:
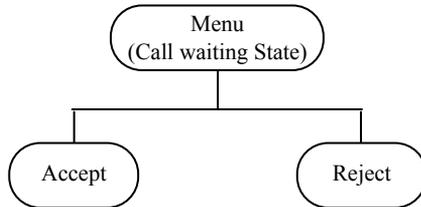   [XXXXXX (CID)   4'35]
        [Accept ?   ]
2. Press YES to accept the incoming call, and the
   phone will go to One Active Call & One Held
   Call State. Then the active call will be the
   new incoming call now.

21

3. Or press ▲/▼ to browse for the Reject call
   function, the display shows:
      [XXXXXX (CID)   ]
      [Reject ?   ]
4. Press YES to reject the incoming call, and
   continue to talk to the active call.

```
            ╭──────────────────╮
            │       Menu       │
            │ (Call waiting State) │
            ╰──────────────────╯
                    │
          ┌─────────┴─────────┐
     ╭────────╮          ╭────────╮
     │ Accept │          │ Reject │
     ╰────────╯          ╰────────╯
```

Phone Silent (Don't Disturb):

If you temporarily want to avoid any incoming
call, you can set CL2998DP to Phone Silent state
as follow:

<div align="center">22</div>

Browse for Phone Silent sub-menu by pressing ▲/▼
key under FUNCTION menu. Press "YES" key for
Ringer Off item to enable Phone Silent; or if you
want disable this setting, browse to Ringer On item
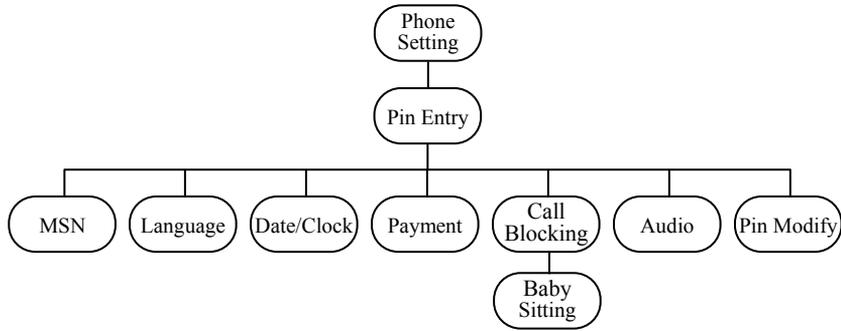and press "YES" key.

Send Message:

Get into the "Send Message" sub menu under
"FUNCTION", choose Enable "UUS Msg" and "Program
Msg",type with dial pad, then input the number you
send to, press "SPEAKER" or pick up the handset to
send.

PHONE SETTING

(1) In Phone Setting mode, input 5-digit PIN code
    (Default value is'00000') to enter the browse
    mode of the sub-menu.

(2) Press ▲/▼ to browse for the desired function
    and press YES to confirm the selection of the
    sub menu. The available functions are listed
    below.

```
                    ┌───────────┐
                    │   Phone   │
                    │  Setting  │
                    └─────┬─────┘
                    ┌─────┴─────┐
                    │ Pin Entry │
                    └─────┬─────┘
  ┌──────┬────────┬─────┬─┴──┬────────┬──────┬──────────┐
┌───┐ ┌────────┐ ┌────────┐ ┌───────┐ ┌──────┐ ┌─────┐ ┌──────────┐
│MSN│ │Language│ │Date/Clock│ │Payment│ │ Call │ │Audio│ │Pin Modify│
└───┘ └────────┘ └────────┘ └───────┘ │Blocking│ └─────┘ └──────────┘
                                       └───┬───┘
                                       ┌───────┐
                                       │ Baby  │
                                       │Sitting│
                                       └───────┘
```

24

♦ Retrieve the default setting
♦ Enable/Disable   Setting the back light for LCD
  Backlight
♦ MSN   Presetting the 3-MSN number (MSN C
                   is also the Baby Sitting MSN).
♦ PIN Modify   Pin code modify.
♦ INT/NAT.   Set International area code and
  Prefix   your national code for your phone
♦ Date/Clock   Setting the DATE/CLOCK.
♦ Call Blocking   Setting for Phone Silent, Global/
                   Partial Call Block function.
♦ Ringing Tone   Volume and Pitch adjustment of MSN.
♦ Baby Sitting   Selection of Enable/Disable Room
                   monitoring function.
♦ Language   Selection of language used in the
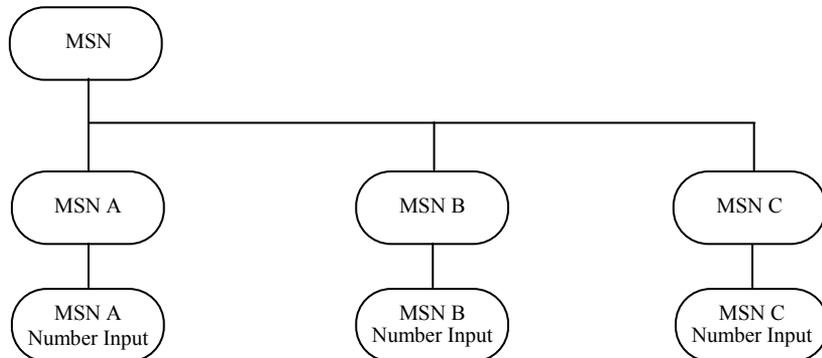   phone.

25

Retrieve the default setting

Under phone setting mode, enter "*9990" and press "YES" key when the phone asking for Pin Code, you can load default setting to CL2998DP. Press "Back" to return.

Enable/Disable Backlight

Under phone setting mode, enter "*9996" and press "YES" key when the phone asking for Pin Code, you can toggle between screen backlight on and off. Press "BACK" to return.

26

MSN

```
                    ┌──────────┐
                    │   MSN    │
                    └──────────┘
                         │
        ┌────────────────┼────────────────┐
   ┌─────────┐      ┌─────────┐      ┌─────────┐
   │  MSN A  │      │  MSN B  │      │  MSN C  │
   └─────────┘      └─────────┘      └─────────┘
        │                │                │
 ┌────────────┐   ┌────────────┐   ┌────────────┐
 │   MSN A    │   │   MSN B    │   │   MSN C    │
 │Number Input│   │Number Input│   │Number Input│
 └────────────┘   └────────────┘   └────────────┘
```

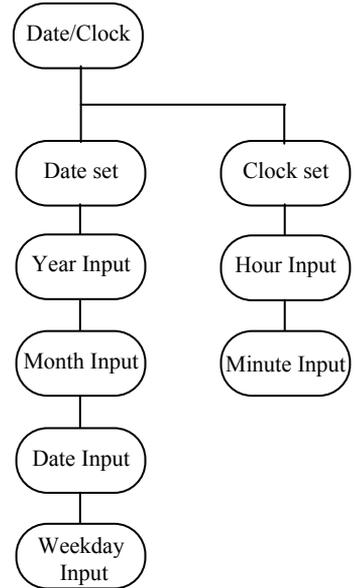Browse under Phone Setting menu for MSN, press "YES" to confirm.

(1) Press ▲/▼ to browse for setting MSN 1,2 or 3.
(2) Press YES to confirm the selection.
(3) Input the number of the MSN by pressing keys on keypad.
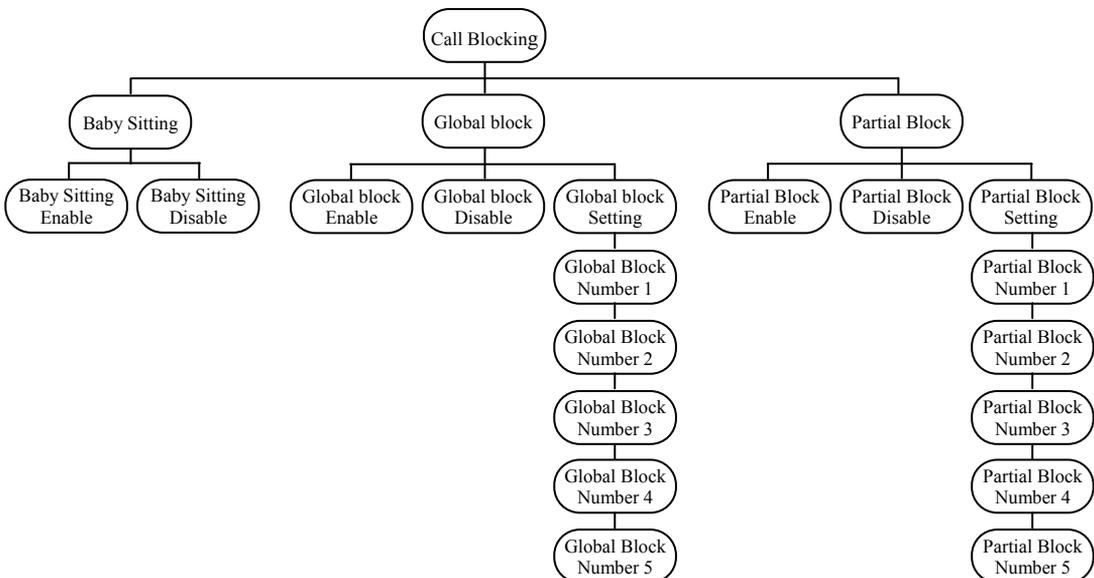(4) Press YES to confirm the input of MSN number.

27

Date/Clock

(1) Under Phone Setting menu, Press ▲/▼ to browse for Date or Clock Set.
(2) Press YES to confirm the selection.
(3) Input all the values for Date Set or Clock Set by pressing the keys on keypad.
(4) Press YES to confirm the input.

```
                    ┌──────────────┐
                    │  Date/Clock  │
                    └──────┬───────┘
               ┌───────────┴───────────┐
         ┌──────────┐            ┌──────────┐
         │ Date set │            │ Clock set│
         └────┬─────┘            └────┬─────┘
         ┌──────────┐            ┌──────────┐
         │Year Input│            │Hour Input│
         └────┬─────┘            └────┬─────┘
         ┌───────────┐           ┌────────────┐
         │Month Input│           │Minute Input│
         └────┬──────┘           └────────────┘
         ┌───────────┐
         │ Date Input│
         └────┬──────┘
         ┌──────────┐
         │ Weekday  │
         │  Input   │
         └──────────┘
```
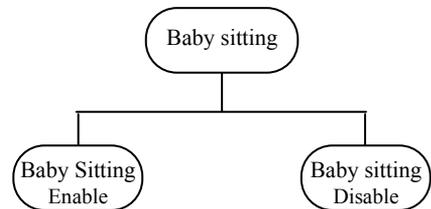
28

Call Blocking

29

Get to "Call Blocking?" sub-menu from "Phone Setting" entry and press YES.

(1) Baby sitting
   ● Press YES to enter Baby Sitting
   ● Press YES when ask "Baby Sitting Enable?" to turn on this function,
   ● Or press YES for Baby Sitting Disable sub menu to turn this function off.

Note: Presetting the 3rd MSN number as blank before using baby-sitting function, other wise the function cannot work normally.

(2) Partial Call Block
   Under Partial Call Block On mode, you can preset up to 5 phone numbers as blocked number, so those number will not be dialed out from your CL2998DP until you remove them from blocking list or you disable Partial Call Blocking mode.
   ● Press ▲/▼ to browse for Partial Call Block, Press YES.
   ● Get to "P-Block Enable" or "P-Block Disable", press YES to turn on/off "Partial Call Block".
   ● Go into P-Block Setting from Partial Block sub menu, then input the telephone numbers those you hope prevent to be dialed out from your ISDN phone. You can input up to 5 numbers for partial call block function.
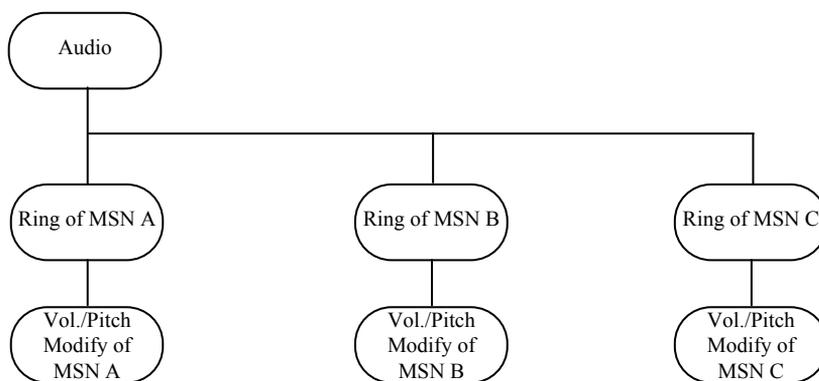
(3) Global Call Block

Under Global Call Block On mode, you can preset
up to 5 phone numbers as permitted number, so
that only these number could be dialed out from
your CL2998DP until you remove them from
blocking list or you disable Partial Call
Blocking mode.

● Browse for "Global Call Block", press YES key.
● Press YES for G-Block Enable to turn on global
  call blocking or press YES for G-Block Disable
  to turn it off.
● Go into G-Block Setting from Global Block sub
  menu, then input the telephone numbers those
  you permit to be dialed out from your ISDN
  phone. You can input up to 5 numbers for global
  call block.

RING TONE

```
                        ┌─────────┐
                        │  Audio  │
                        └─────────┘
        ┌───────────────────┼───────────────────┐
┌──────────────┐   ┌──────────────┐   ┌──────────────┐
│ Ring of MSN A│   │ Ring of MSN B│   │ Ring of MSN C│
└──────────────┘   └──────────────┘   └──────────────┘
        │                   │                   │
┌──────────────┐   ┌──────────────┐   ┌──────────────┐
│  Vol./Pitch  │   │  Vol./Pitch  │   │  Vol./Pitch  │
│  Modify of   │   │  Modify of   │   │  Modify of   │
│    MSN A     │   │    MSN B     │   │    MSN C     │
└──────────────┘   └──────────────┘   └──────────────┘
```

1. Go to Audio sub-menu from Phone Setting item.
2. Press ▲/▼ to browse for Ring of MSN A, Ring of
   MSN B or Ring of MSN C.
3. Press YES to confirm the selection.

3. In Vol./Pitch Adjustment Mode,
   For Pitch adjustment:

      a. Press (*) for lower pitch value.
      b. Press (#) for higher pitch value.

  For Volume adjustment:

   a. Press ▼ for lower volume.
      b. Press ▲ for higher volume.

PIN Modify

1. Input the New PIN code (5-digit).
2. Press YES to confirm the input.
3. Input the New PIN code again to
   reconfirm the code.
4. Press YES to confirm the input.

PIN Modify

New PIN Input

New PIN Confirm
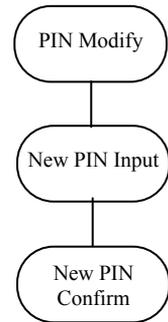
2. Main Menu of INCOMING CALL STATE

(1) When the phone has one incoming call only,
    then the phone will show:
    [XXXXXX (CID)   ]
    [Accept?   ]
(2) Press SPEAKER to accept the incoming call on
    speakerphone,
(3) Or pick up the handset to accept the incoming
    call.
(4) or Press ▲/▼ to browse
    for the Reject Call
    function, the display
    show :
    [XXXXXX (CID)   ]
   [Reject?   ]
(5) Press YES to reject the
    incoming call.

Menu
(Incoming Call State)

Accept

Reject
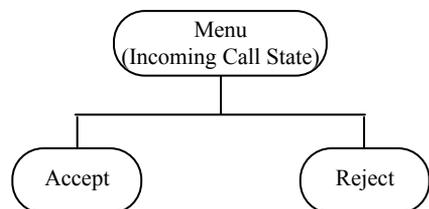
3. Main Menu of One ACTIVE CALL STATE

(1) When the phone has one active call only, the phone will show:
```
[XXXXXX (CID)       04'35]
[2nd Call?                ]
```

(2) Press YES to have an inquiry call, the display will show:
```
[01/01/98      Thu      12:38]
[Disconnect?               ]
```

(3) Dial the numbers of the inquiry call,

(4) If the inquiry call is successfully connected, the phone will go to the One Active Call & One Held Call State.

(5) Or press YES to go back to the original call before the inquiry call is connected.

36

4. Main Menu of ONE ACTIVE CALL and ONE HELD CALL STATE
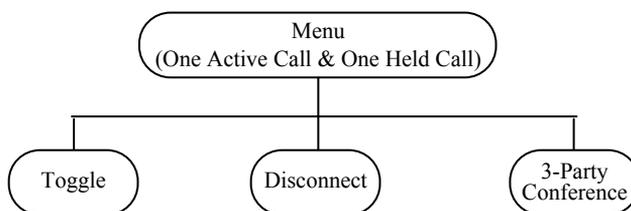
(1) The Display shows:
```
[XXXXXX (CID)         4'35]
[Toggle?                  ]
```

(2) Press YES to toggle between the Active Call and the Held Call.

(3) Or press ▲/▼ to browse for the Disconnect current Call function or 3-Party function.
```
[XXXXXX (CID)         4'35]
[Disconnect?              ]
```
or

37

```
            [XXXXXX (CID)        6'45]
            [3-Party?              ]
```
(4) Press YES to select the desired function.
(5) If the Disconnect function is selected, then
    the current active call will be disconnected
    and the held call will be retrieved.
    The phone will go to the One Active Call
    State.
(6) If the 3-Party Conference function is
    selected, then the phone will go to the 3-
    Party Conference State.

5. Main Menu of 3-PARTY CONFERENCE STATE
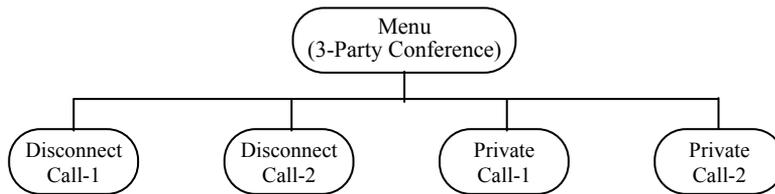
38

(1) The Display will show:
```
      [XXXXXX (CID)        4'35]
      [Disconnect Call-1?     ]
   or
      [XXXXXX (CID)        6'45]
      [Disconnect Call-2?     ]
   or
      [XXXXXX (CID)        4'35]
      [Private Call-1?        ]
   or
      [XXXXXX (CID)        6'45]
      [Private Call-2?        ]
```

(2) Press YES to select the desired function.
(3) Then the phone will go to the One Active Call
    State or One Active Call & One Held Call
    State.

39

VII. Specifications

```
ISDN protocol:     Euro-ISDN (DSS1)
Interface:         S/T
Power supply:      Remote and local power supply
Size:              210×200×100mm
Temp:              0~60℃ for storage, 0~50℃ for
                   operation
Humidity:          20%~90% Non-condensing
```

40