



LDP-7000 series KTU



LDP-7000 Introduction **LG Business Communication Solution**

A Better Life with Digital

Sep. 2004



Digitally yours



Concept overview

- ✦ **Trendy and Stylish New design**
- ✦ **Enhanced Segmenting/Positioning**
 - 6 Models & 7 Options
- ✦ **Easier operation like Mobile Phone with Soft & Navigation Keys**
 - Call Log/Multiple melody etc.
 - Interactive Call Handling
 - Easier user interface
- ✦ **Future ready with Value Added features**
 - Individual Voice recording using USB option
 - Wireless solution with Bluetooth Interface











Design Overview

- + More attractive look with LG Identity
- + Better LCD view with both LCD tilting and base tilting
- + Easier Interface with wider LCD





LDP-7000 Overall Specifications

Variation/ Target	7004N Entry	7004D Entry	7008D Basic	7016D STD	7024D Adv	7024LD Deluxe
Family look design						
LCD Size	-	1X16	2X24	3X24	3X24	Graphic LCD
Soft Keys	-	-	-	3	3	3
Navigation Keys	-	-	-	0	0	0
Flex btns	2(S_LEDs)	2(S_LEDs)	8 (D_LEDs)	16 (D_LEDs)	24 (D_LEDs)	24 (DLEDs)
Fixed btns	5	5	5	7	9	9
Speaker	OHD	OHD	Half duplex	Half duplex	Half duplex	Half duplex
Headset jack	-	-	0	0	0	0
Wall mountable	0	0	0	0	0	0
Msg Lamp	0	0	0	0	0	0
48-DSS	-	-	-	0	0	0
Call Recording ¹⁾	-	-	-	-	0	0
Bluetooth I/F ¹⁾	-	-	-	-	0	0
Melody Ring ¹⁾	-	-	-	0	0	0
Full Duplex ¹⁾	-	-	-	0	0	0
Call Log(30ea)	-	-	-	0	0	0

1) Available with optional module



LDP-7016D



Essential and Standard Digital Keypad

Features

- Trendy and Stylish LDP Family design
- Multi Level 3 Line LCD (3*24) : 24 character
- Dual LED 16 Flexible btns
- 7 Fixed btns to maximize convenience
 - Interactive Call Handling with Soft Keys, Navigation Keys, Phone Book, Menu.
- Additional Device Port for SLT and FAX
- Call Log
 - Dialed / Answered / Missed
- Various Option Modules
 - CTU, MFU, FU, MU



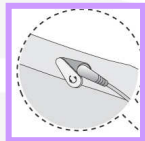
Location of Controls of LDP-7016D

LCD (Liquid Crystal Display)
:3x24 : 3 line 24 character

Ring LED

3 soft button.

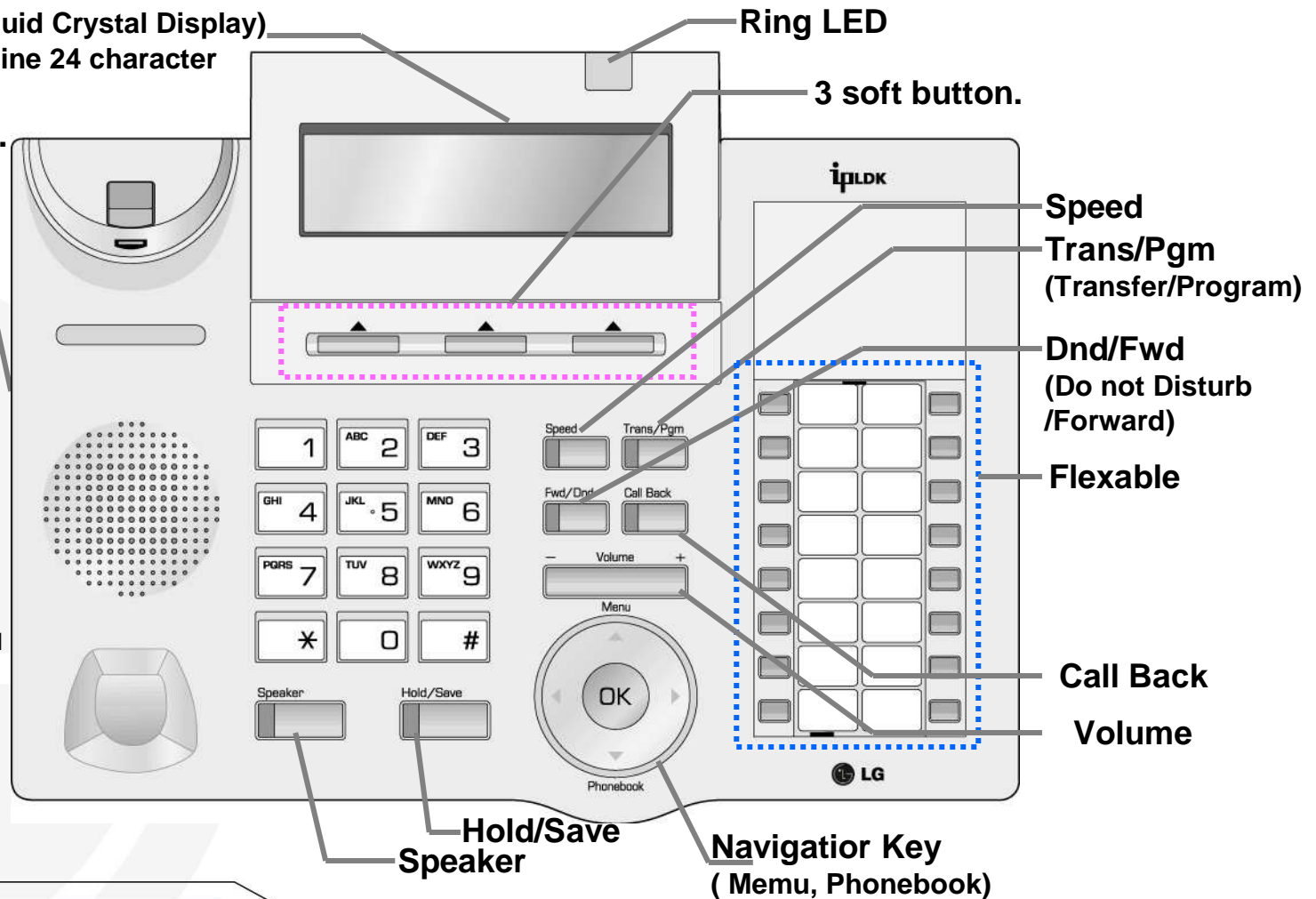
Headset.



The Headset is optional,
Please use the headset
with 2.5mm plug.

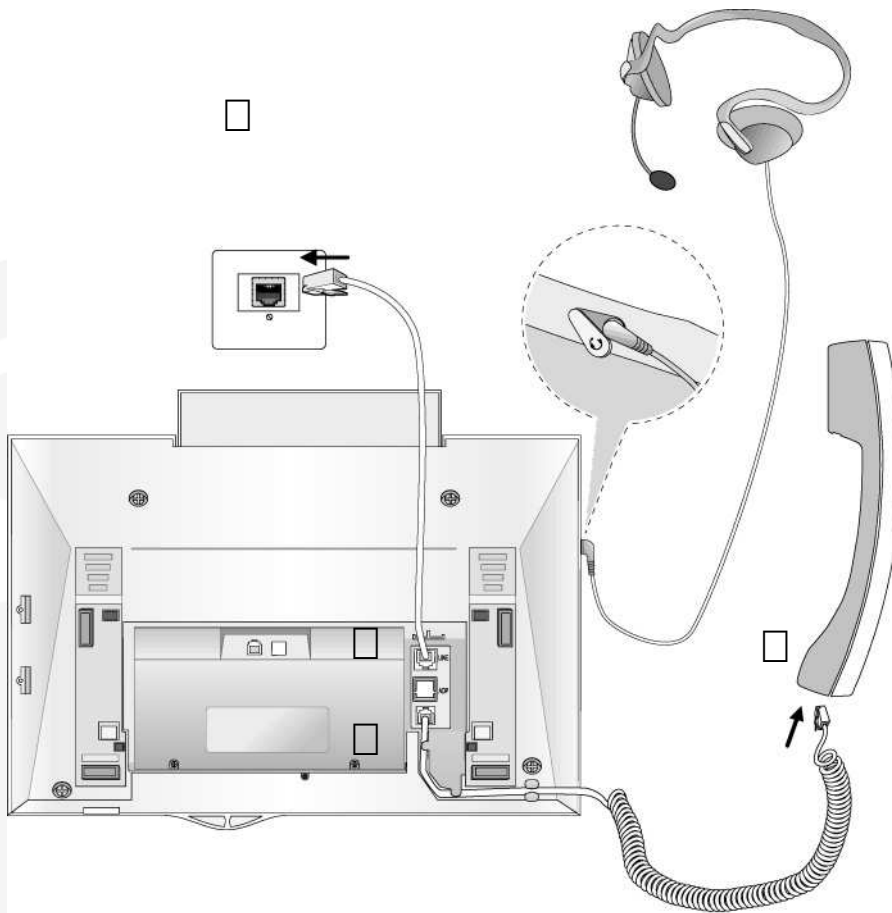
Headset Mode :

- Step1: MENU
- Step2: 2. ADVANCED PROGRAM
- Step3: 5. EAR MIC PROGRAM
- Step4: EAR-MIC HEADSET
> ON





CABLE CONNECTION of LDP-7016D



Cable connection

- Connect the end of the telephone cord to the handset and the other end to the handset jack at the bottom of the telephone.
- Connect the end of the cable to the port at the bottom of telephone and the other end to the switch port.
- Connect the Earphone to the headphone jack at the left side of the telephone.
(In case front view of the base.)
- THE HEADSET IS OPTIONAL, Please use the headset with 2.5mm plug.**



LDP-7024D



Leading and Highest Level Digital Keyset

Features

- Trendy and Stylish LDP Family design
- Multi Level 3 Line LCD (3*24)
- Dual LED 24 Flexible btns
- 7 Fixed btns to maximize convenience
 - Interactive Call Handling with Soft Keys, Navigation Keys, Phone Book, Menu.
- Individual Call Recording Feature (USB Option)
- wireless headset Solution (Blue tooth, Option)
- Additional Device Port for SLT and FAX
- Call Log Feature
- Value-up Option Modules
 - BTU, USB



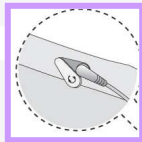
Location of Controls of LDP-7024D

LCD (Liquid Crystal Display)
:3x24 : 3 line 24 character

Ring LED

3 soft button.

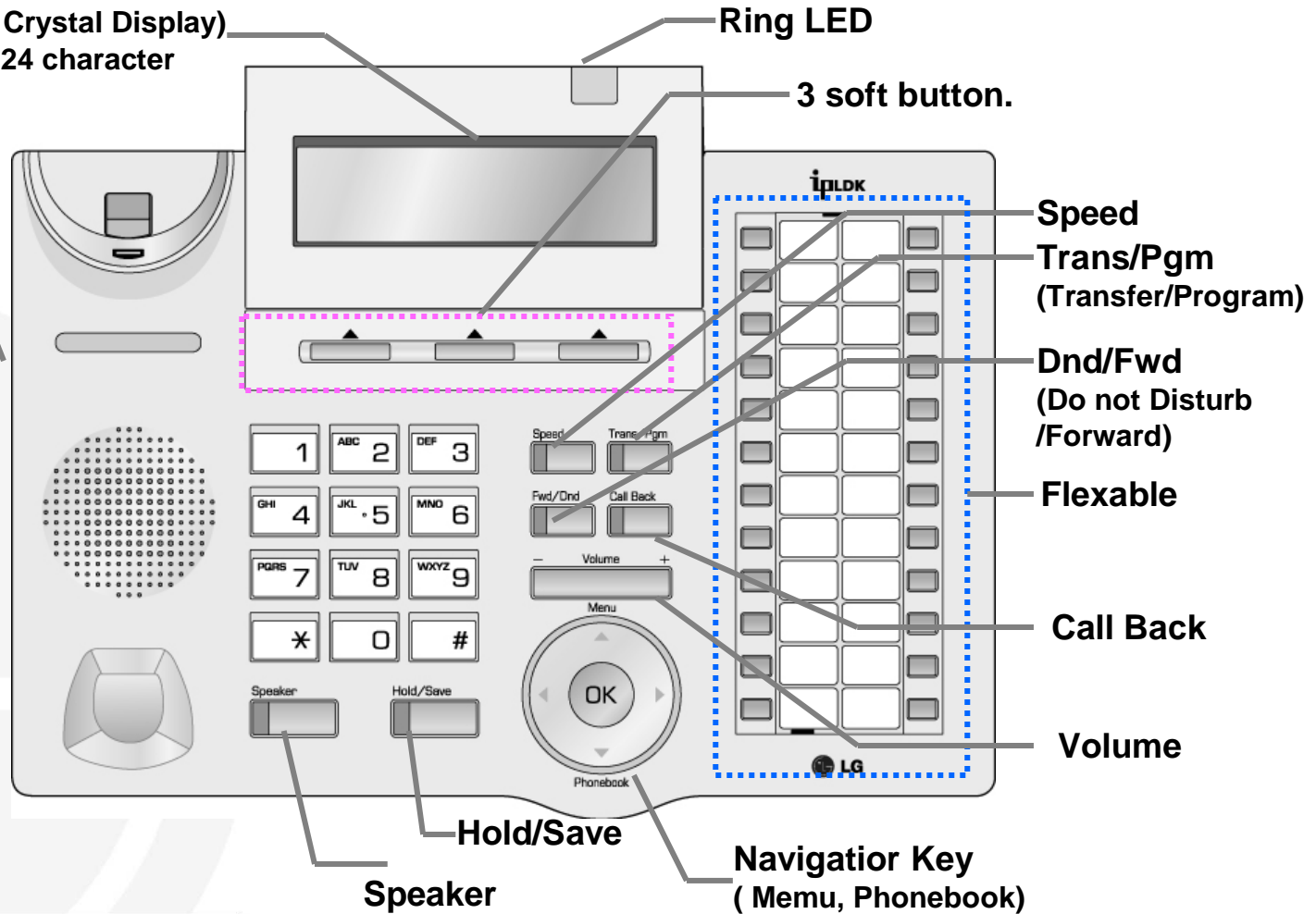
Headset.



The Headset is optional,
Please use the headset
with 2.5mm plug.

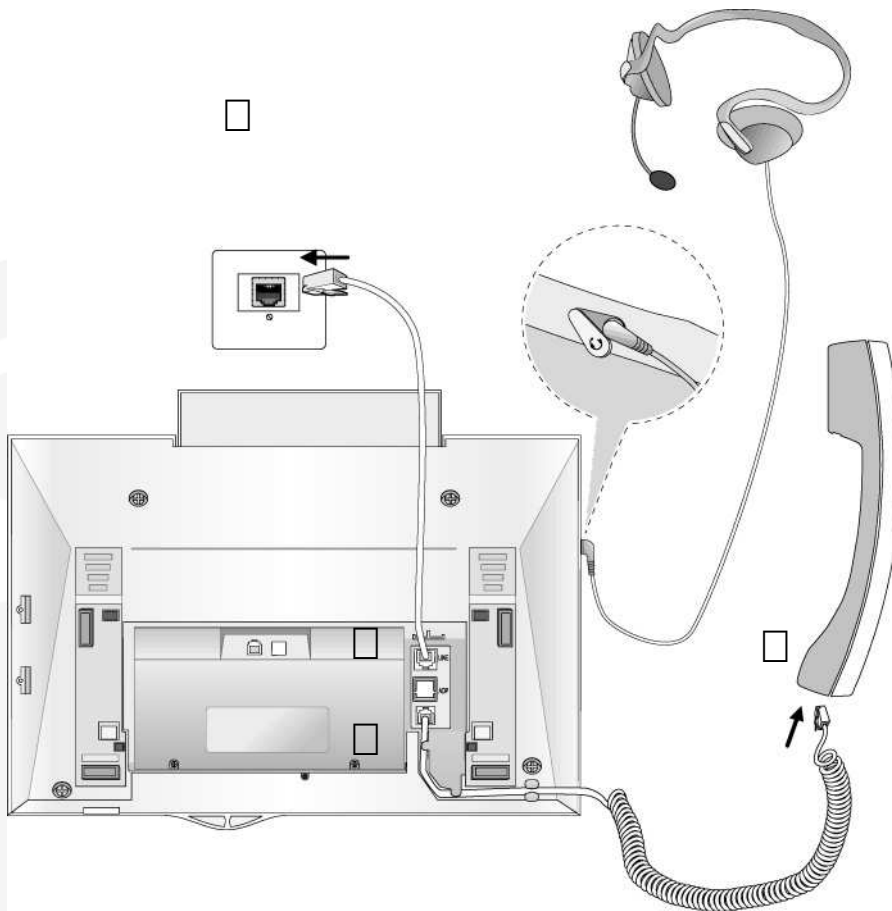
Headset Mode :

- Step1: MENU
- Step2: 2. ADVANCED PROGRAM
- Step3: 5. EAR MIC PROGRAM
- Step4: EAR-MIC HEADSET
> ON





CABLE CONNECTION of LDP-7024D



Cable connection

- Connect the end of the telephone cord to the handset and the other end to the handset jack at the bottom of the telephone.
- Connect the end of the cable to the port at the bottom of telephone and the other end to the switch port.
- Connect the Earphone to the headphone jack at the left side of the telephone.
(In case front view of the base.)
- THE HEADSET IS OPTIONAL, Please use the headset with 2.5mm plug.**



LDP-7024LD



Dignity Digital Keypad with Large LCD

Features

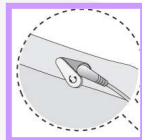
- Trendy and Stylish LDP Family design
- Multi Level Graphic LCD (9*32)
 - Limited Local SMS Feature, Phone Book, Scheduler
- Dual LED 24 Flexible btns
- 7 Fixed btns to maximize convenience
 - Interactive Call Handling with Soft Keys, Navigation Keys, Phone Book, Menu.
- Call Recording Feature (USB Option)
- wireless headset solution (Blue tooth, Option)
- Additional Device Port for SLT and FAX
- Call Log Feature
- Value-up Option Modules
 - BTU, USB



Location of Controls of LDP-7024LD

LCD (Liquid Crystal Display)
:224x144 : 9 line 32 character

Headset.

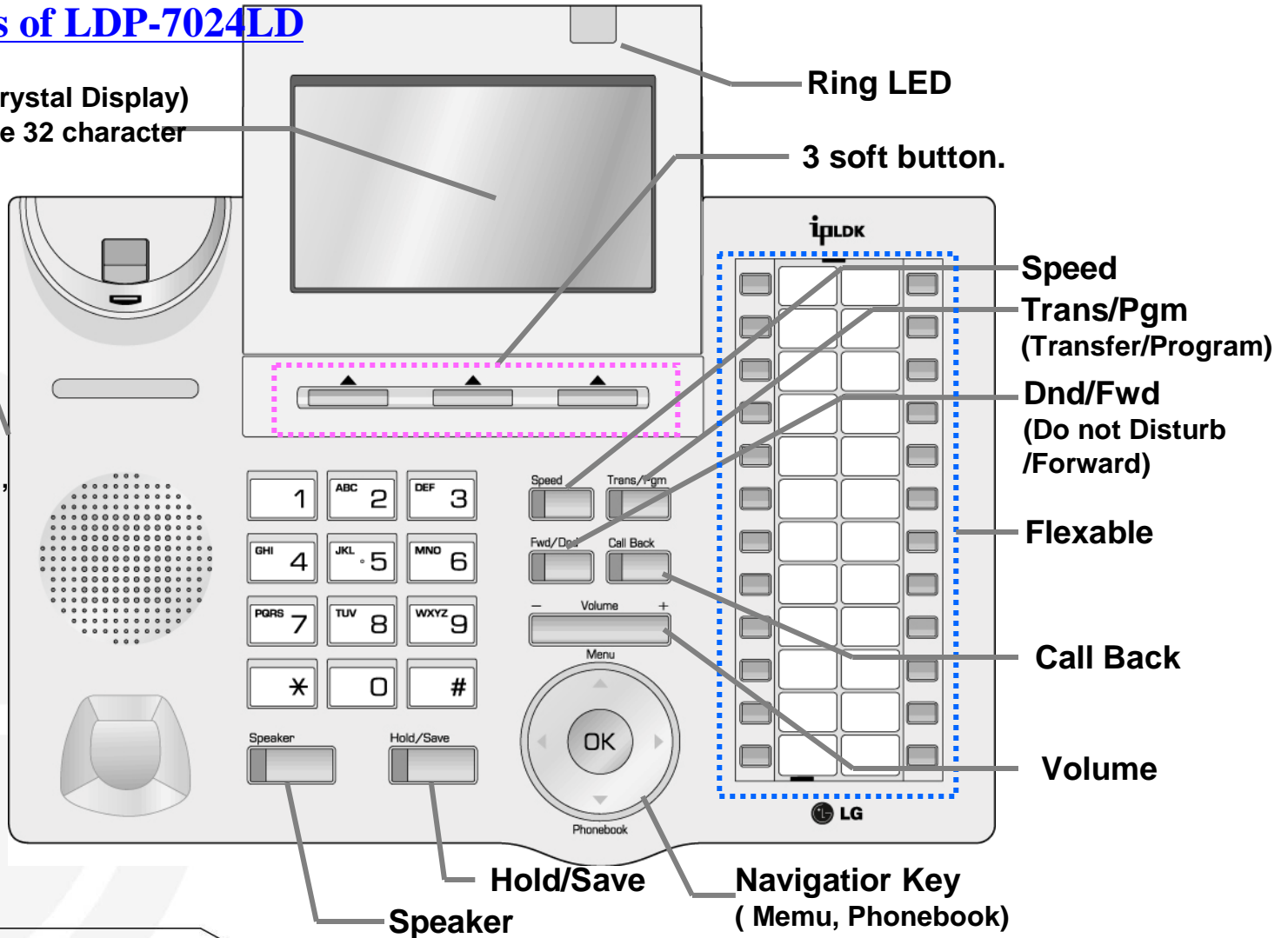


The Headset is optional,
Please use the headset
with 2.5mm plug.

Headset Mode :

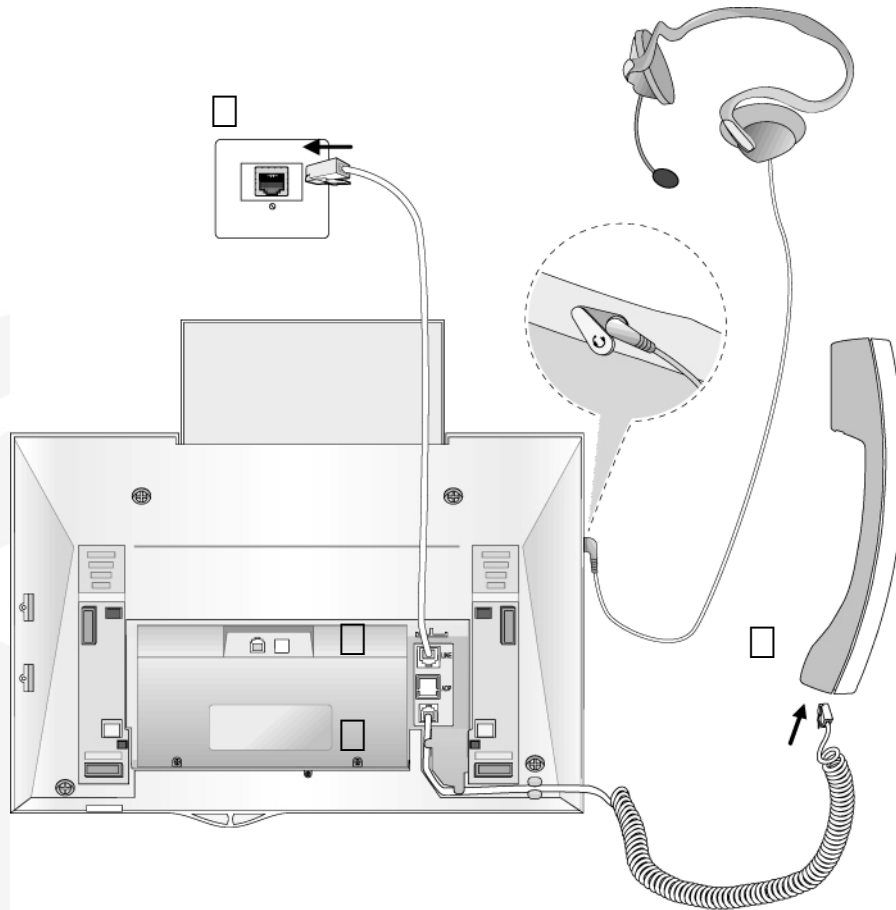
- Step1: MENU
- Step2: 4.CUSTOMIZE
- Step3: 5.E-MIC HEADSET
- Step4:

EAR-MIC HEADSET		
(1:ON/0:OFF) : OFF		
BACK	SAVE	EXIT





CABLE CONNECTION of LDP-7024LD



Cable connection

- Connect the end of the telephone cord to the handset and the other end to the handset jack at the bottom of the telephone.
- Connect the end of the cable to the port at the bottom of telephone and the other end to the switch port.
- Connect the Earphone to the headphone jack at the left side of the telephone.
(In case front view of the base.)
- THE HEADSET IS OPTIONAL, Please use the headset with 2.5mm plug.**



ICON Discription ON LDP-7024LD

The diagram illustrates the following callouts and their corresponding screen elements:

- You have received message**: Points to the envelope icon.
- Call Foward**: Points to the telephone handset icon.
- DND Mode**: Points to the 'X' over a telephone handset icon.
- Ear Phone Mode**: Points to the earpiece icon.
- Full Duplex SPK Phone Mode**: Points to the speaker icon.
- Mute Mode**: Points to the 'X' over a speaker icon.
- STADY ON ²⁾ BLINK ³⁾**: Points to the 'ON' and 'BLINK' status indicators.
- ON ¹⁾**: Points to the 'ON' status indicator.
- Phone book**: Points to the address book icon.
- Schedule**: Points to the calendar icon.
- Setting Alarm**: Points to the alarm clock icon.
- Setting Melody**: Points to the musical note icon.

The screen content includes a calendar for 2004 (15 SEP 04), a station name 'STATION 100 (T)', and a time '11:42am'. At the bottom, there are three buttons: 'PICKUP', 'CONF', and 'REDIAL'.

- 1) **ON** : Already paired but linked-radio with headset
- 2) **STADY ON** : Ready to make and answer a call.
- 3) **BLINK** : Ongoing communication via Bluetooth headset.



Contents of Display in Large LCD

Phone Book

The [PHONE BOOK] is used for registering the new phone number and searching, correcting and deleting the stored phone number.

The flowchart illustrates the navigation through the Phone Book application. It starts with the main menu: 1. NEW ENTRY, 2. SEARCH BY NAME, 3. SEARCH BY NUMBER, 4. SEARCH BY GROUP, 5. EDIT CO ACCESS CODE, and EXIT. From 'NEW ENTRY', users can input details like NAME (JANE), TYPE (MOBILE), CO CODE (CODE-1), NUMBER (123456789), and GROUP (FAMILY), then press SAVE. From 'SEARCH BY NAME', users can input a name (ABC) and press FIND. From 'SEARCH BY NUMBER', users can input a number (123) and press FIND. From 'SEARCH BY GROUP', users can select a group (FAMILY) and press FIND. From 'EDIT CO ACCESS CODE', users can select a code (CODE-1) and press SAVE. From 'DELETE ALL ENTRY', users can confirm deletion by pressing YES.

2. SEARCH BY NAME

```
PHONE BOOK
1. NEW ENTRY
2. SEARCH BY NAME
3. SEARCH BY NUMBER
4. SEARCH BY GROUP
5. EDIT CO ACCESS CODE
EXIT OK
```

```
PHONE BOOK
1. NEW ENTRY
SEARCH BY NAME
INPUT NAME ?
ABC
5. EDIT CO ACCESS CODE
BACK ABC FIND
```

```
RESULTS
001 : JONE MARK
003 : ABRAHAM
007 : LUCKY
<MOBILE> 01011111234
BACK EDIT SEND
```

3. SEARCH BY NUMBER

```
PHONE BOOK
1. NEW ENTRY
2. SEARCH BY NAME
3. SEARCH BY NUMBER
4. SEARCH BY GROUP
5. EDIT CO ACCESS CODE
EXIT OK
```

```
PHONE BOOK
1. NEW ENTRY
SEARCH BY NUMBER
INPUT NUMBER?
123
5. EDIT CO ACCESS CODE
BACK FIND
```

```
RESULTS
001 : JONE MARK
003 : ABRAHAM
007 : LUCKY
<MOBILE> 01011111234
BACK EDIT SEND
```

4. SEARCH BY GROUP

```
PHONE BOOK
1. NEW ENTRY
2. SEARCH BY NAME
3. SEARCH BY NUMBER
4. SEARCH BY GROUP
5. EDIT CO ACCESS CODE
EXIT OK
```

```
PHONE BOOK
SEARCH BY GROUP
NO GR.
FAMILY
FRIEND
OFFICE
BACK FIND
```

```
RESULTS
001 : JONE MARK
003 : ABRAHAM
007 : LUCKY
<MOBILE> 01011111234
BACK EDIT SEND
```

5. CO ACCESS CODE

```
PHONE BOOK
1. NEW ENTRY
2. SEARCH BY NAME
3. SEARCH BY NUMBER
4. SEARCH BY GROUP
5. EDIT CO ACCESS CODE
EXIT OK
```

```
CO ACCESS CODE
CODE-1 : 9
CODE-2 : 8801
CODE-3 :
CODE-4 :
CODE-5 :
BACK SAVE
```

6. DELETE ALL ENTRY

```
PHONE BOOK
6. DELETE ALL ENTRY
EXIT OK
```

```
PHONE BOOK
ARE YOU SURE
TO DELETE DATA?
NO
YES
BACK OK
```



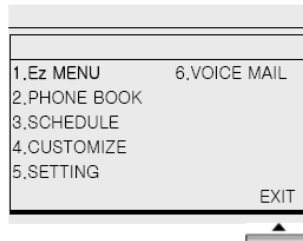
Contents of Display in Large LCD



MENU Button

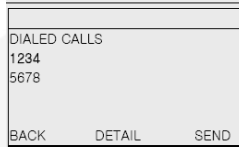


Press the [MENU] button.



1. EZ MENU

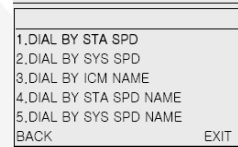
1.1 DIALED CALLS



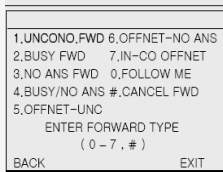
1.2 RECEIVED CALLS



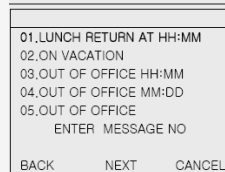
1.3 SPEED DIAL



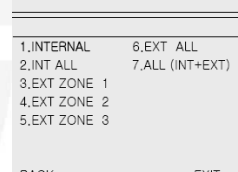
1.4 CALL FORWARD



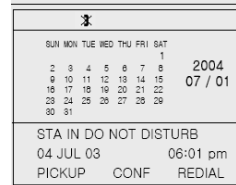
1.5 ABSENT MESSAGE



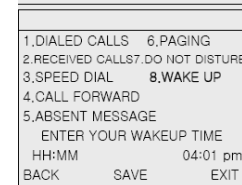
1.6 PAGING



1.1 DO NOT DISTURB



1.8 WAKE UP



2. PHONE BOOK

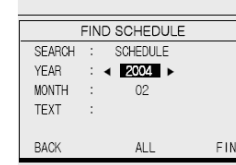
Refer to the preceding Page

3. SCHEDULE

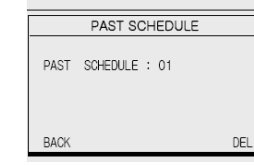
3.1 SCHEDULE ADD/DEL/EDIT



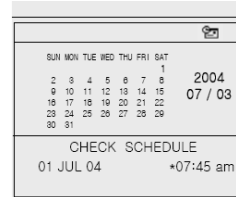
3.2 FIND SCHEDULE



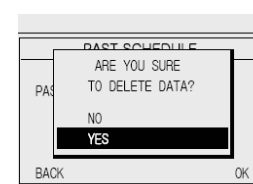
3.3 DELETE PAST SCHEDULE



3.4 VIEW ALARM SCHEDULE



3.5 DELETE ALL SCHEDULE





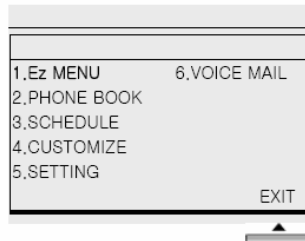
Contents of Display in Large LCD



MENU Button

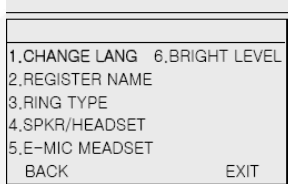


Press the [MENU] button.

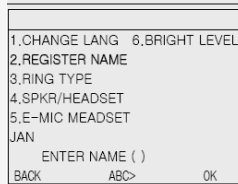


4. CUSTOMIZE

4.1 CHANGE LANGUAGE



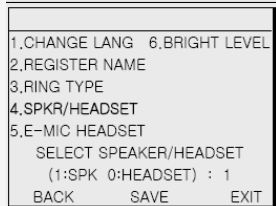
4.2 REGISTER NAME



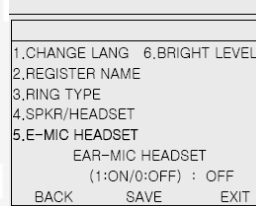
4.3 RING TYPE



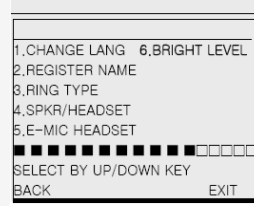
4.4 SPEAKER/HEADSET



4.5 E-MIC HEADSET

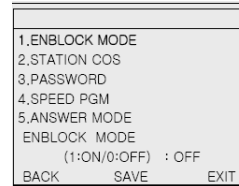


4.6 BRIGHT LEVEL

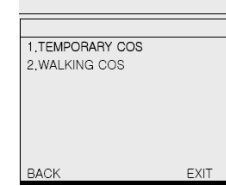


5. SETTING

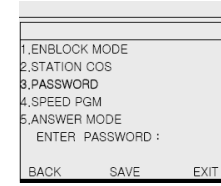
5.1 ENBLOCK MODE



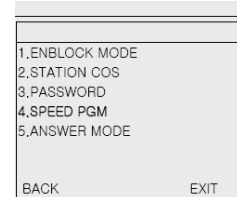
5.2 STATION COS



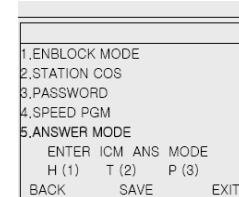
5.3 PASSWORD



5.4 SPEED PGM

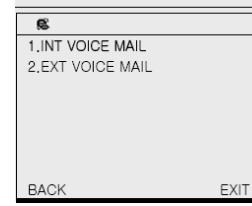


5.5 ANSWER MODE

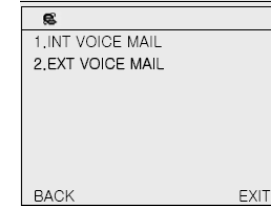


6. VOICE MAIL

6.1 INTERNAL VOICE MAIL



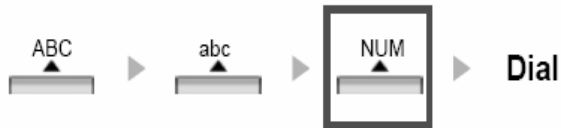
6.2 EXTERNAL VOICE MAIL



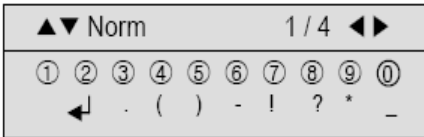
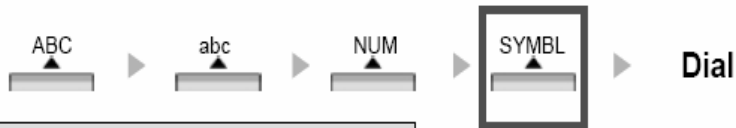



Entering Characters

Enter the figure



Enter the symbol



※ Use the  button and then select the symbol.

Enter the letters

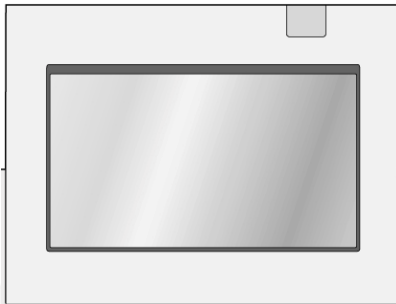


A	ABC 2	N	MNO 6 + MNO 6
B	ABC 2 + ABC 2	O	MNO 6 + MNO 6 + MNO 6
C	ABC 2 + ABC 2 + ABC 2	P	PQRS 7
D	DEF 3	Q	PQRS 7 + PQRS 7
E	DEF 3 + DEF 3	R	PQRS 7 + PQRS 7 + PQRS 7
F	DEF 3 + DEF 3 + DEF 3	S	PQRS 7 + PQRS 7 + PQRS 7 + PQRS 7
G	GHI 4	T	TUV 8
H	GHI 4 + GHI 4	U	TUV 8 + TUV 8
I	GHI 4 + GHI 4 + GHI 4	V	TUV 8 + TUV 8 + TUV 8
J	JKL 5	W	WXYZ 9
K	JKL 5 + JKL 5	X	WXYZ 9 + WXYZ 9
L	JKL 5 + JKL 5 + JKL 5	Y	WXYZ 9 + WXYZ 9 + WXYZ 9
M	MNO 6	Z	WXYZ 9 + WXYZ 9 + WXYZ 9 + WXYZ 9



LCD/3 Soft Button / Navigation Button / Headset Jack

1. Large LCD (Liquid Crystal Display) -224x144 (9 line 32 character)



Note:

1. Operating Voltage: 5V
2. Drive method: 1/144 Duty, 1/13.6 Bias
3. Viewing Direction: 6:00
4. Operating Temp: -10°C~60°C
5. Storage Temp: -10°C~60°C
6. Display type: FSTN,Positive

2. LCD (Liquid Crystal Display) : 3x24 (3 line 24 character)



Specification:

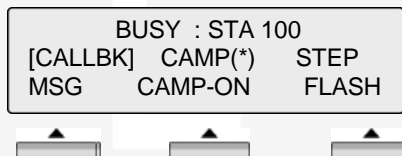
- 1) Display mode: TN/W-B/Positive/Reflective
- 2) Driving condition: 1/16 Duty, 1/5 Bias, Vop:4.5V
- 3) Viewing angle: 6 O'clock
- 4) Operating temp.: -10~60°C
Storage temp.: -20~70°C
- 5) Unspecified tolerance is ±0.3mm

3. 3 Soft Button

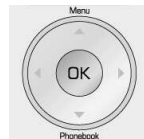


IP LDK systems provide some fitting message. It gives easy access to operations with a navigation key or volume up/down key.

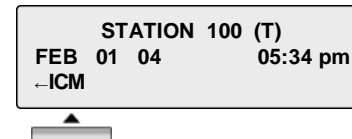
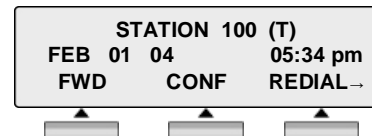
For example, when a user gets busy, get a display message "Wait", "Camp-On" and "Flash". Then by pressing one of 3 soft button, a user can activate the desired feature.



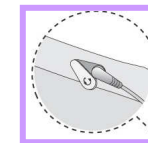
4. Navigation Button



Sometimes a system does not show all message for some operation, then the arrow key will be displayed the begin or end line. By pressing a navigation key of LDP-7000 series, others will be displayed.



5. Headset Jack(Earphone Jack)



2.5mm Plug type



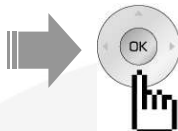
Navigation Key (Operation Sample)

Menu Button in Navigation key



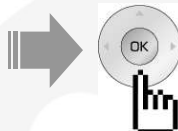
1 BASIC PROGRAM
2. ADVANCED PROGRAM
OK

Press the [Menu] button.



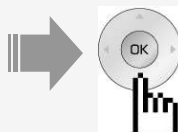
1. BASIC PROGRAM
2 ADVANCED PROGRAM
OK

Press the “▼” marked button . Or “OK”



3. SPEED PROGRAM
4. MOBILE EXTENSION PGM
OK

Press the “▼” marked button . Or “OK”



5. CONFERENCE ROMM PGM
6 HOT DESK PROGRAM
OK

Press the “▼” marked button . Or “OK”

Phone Book in Navigation key

The [PHONE BOOK] is the same feature as [Dial by name].



1. DIAL BY ICM NAME
2 DIAL BY STA SPD NAME
OK

Press the Phonebook button.



Press the “OK” button



or



1:ABC(001)
2:DEF(002)
BACK NAME/TEL SEND

To check the number of the selected name, press the [NAME/TEL] button.

Use the button or button to select the desired number and press the [SEND] button to make a call.

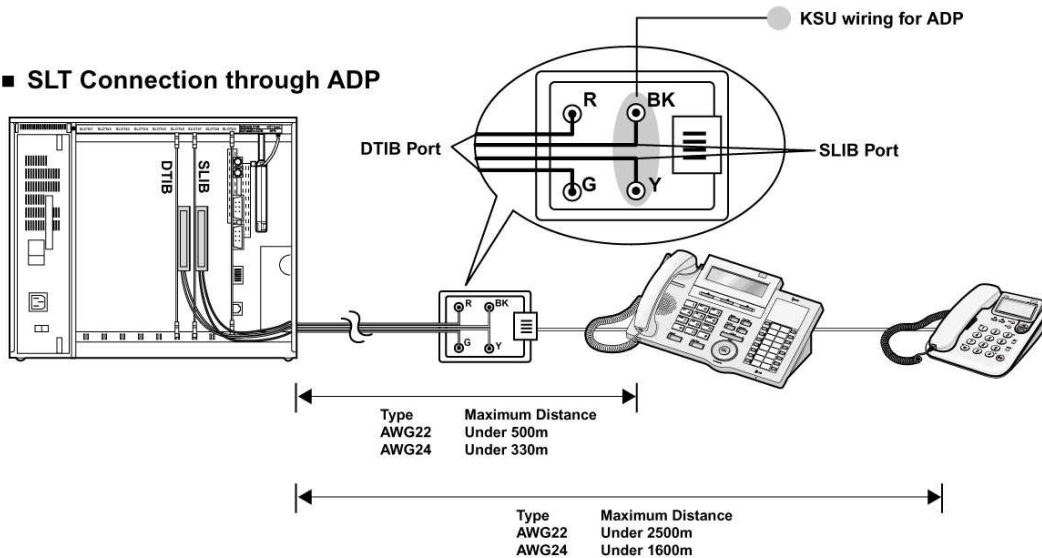
123456789
LINE 008 00:00:03
TRANS CONF MUTE→

Talk.

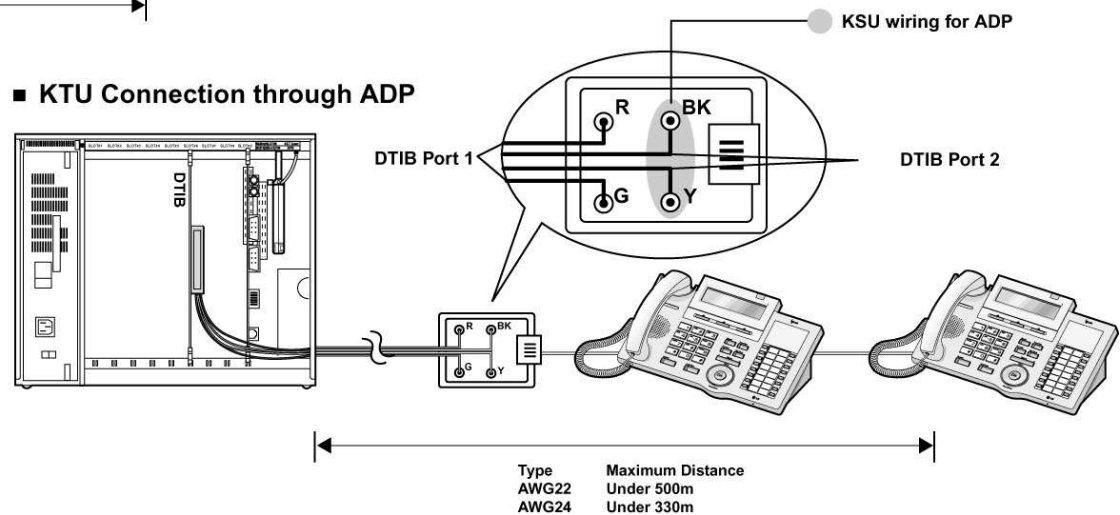


ADP (Additional Device Port) connection (1)

■ SLT Connection through ADP

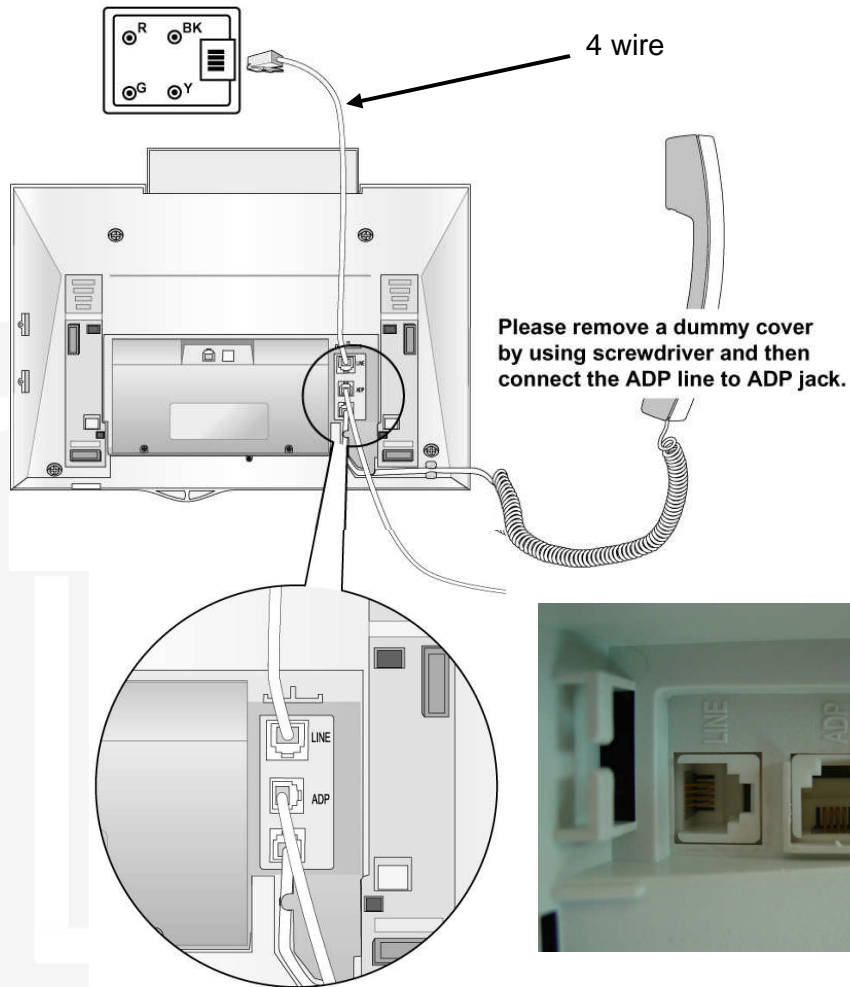


■ KTU Connection through ADP





ADP (Additional Device Port) connection (2)



or



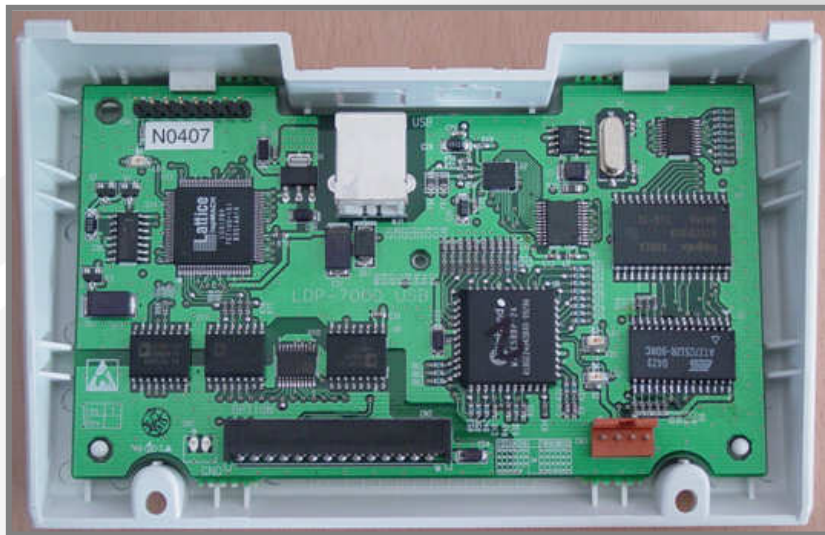


LDP-7000USB

Enabled Individual Call Recording Feature through USB Module

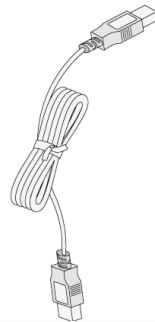
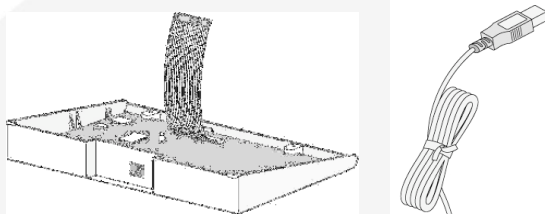
Features Melody

- USB 1.1(Universal Serial Bus) Interface.
- Enables you to record the messages on the phone.
- Enables you to save the recorded messages to file and to play the saved file.
- Enables you to send other people the file as an e-mail attachment.
- Available with LDP-7024D/24LD.
- Voice Recording Application Program required for recording.





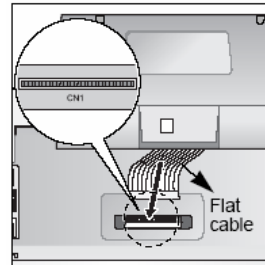
Installation



Ferrite core
(1ea)

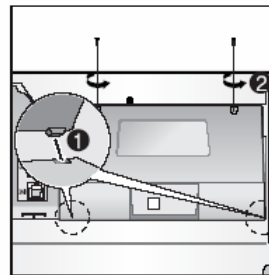


Screw
(2ea)

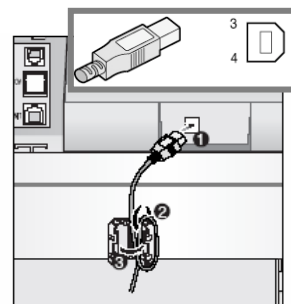


• Connect the flat cable into the optional connector on the keyset, making sure that it is connected securely.

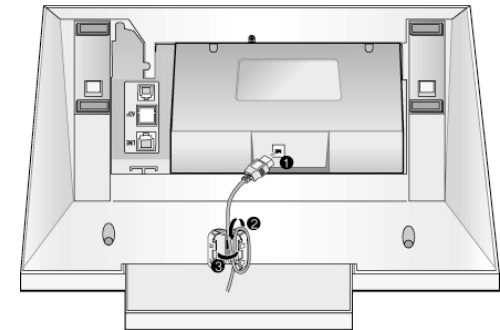
- * The connector number is different according to the keyset.
- LDP-7024D: CN1
- LDP-7024LD: CN6



• Hook the option module cover onto the Keyset base (line up the protrusions on the cover with the receptacles on the keyset base). And then turn the screw clockwise to tighten.



• When connecting the USB cable to USB, a ferrite core must be attached for suppressing EMI. (Wrap the cable once around the ferrite core, then close the case of the ferrite core. Attach the ferrite core 3 cm away from the connector.)



* **Note**
For more detail operation, see "the manual for your VR application software"

Maximum Length of the USB Cable is 3 meter.

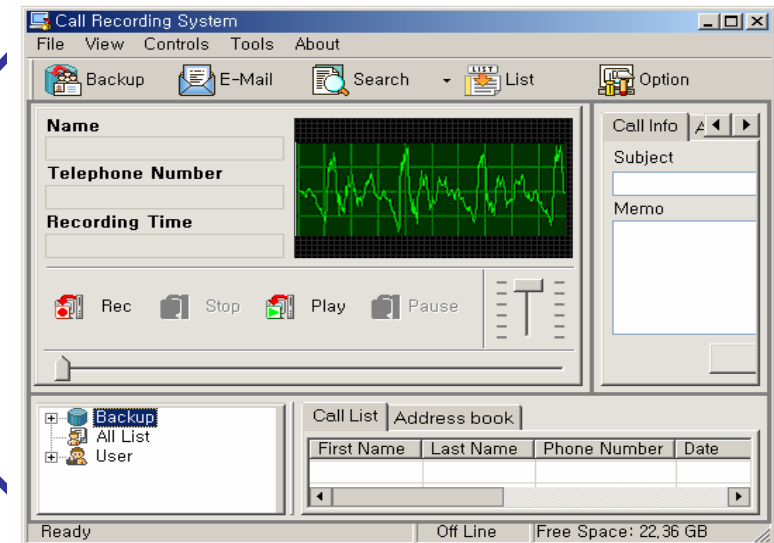
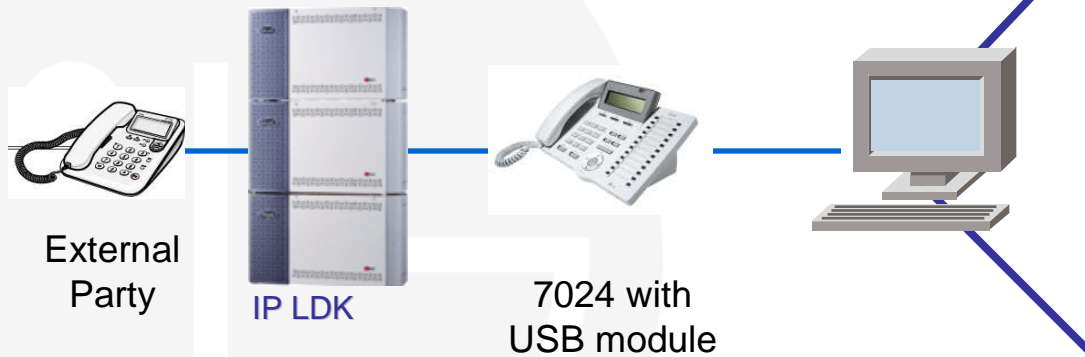
* **Caution Warning**
The Optional Unit connection should make earlier and break later than the line cord.



Set-up Application Program

- Extract the installation file : Setup_1.0Ae_New.zip
- Click the setup file : Setup.exe
- Setup start End (Yes Click for all guide)
- Select the Drive :

C:\Program Files\LG Electronics\LGCRS\Win2kUSVDrv



Managing Software



Start voice Recording

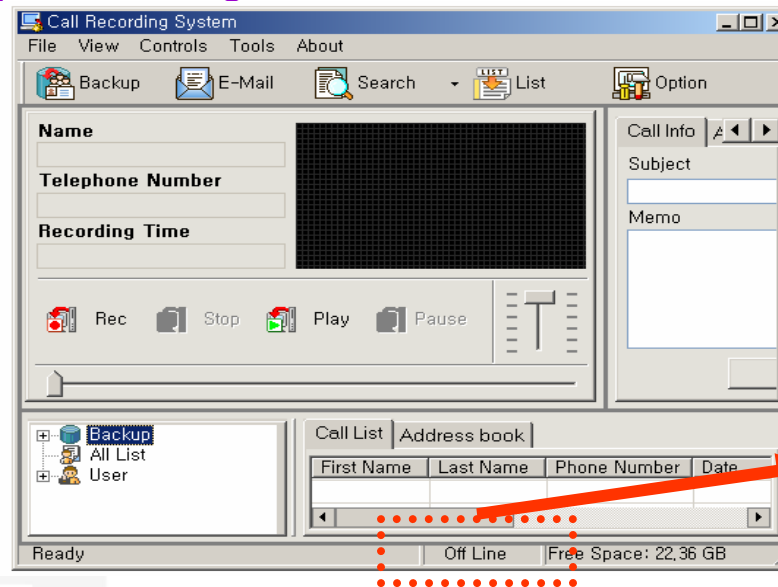
After Implement the USB and setup the Application Program

1) Click “LGCRS”

2) Application Program



[Program “Execute” ICON]



After connecting the USB to PC With USB cable, You can see newtwork status.

(OFF LINE to ON LINE)

LED Indications

LED	Function
LED1	Steady ON : Programmed PLD (Green)
LED2	Flickering : For Voice Recording
LED3	Flickering : Serial Data Communication



LDP-7000BTU



Wireless solution with Bluetooth Interface

Features Melody

- Move freely around office
- Attendant, call center agents application
- Available with 7024D and 7024LD
- compliant with and adopts the Bluetooth Specification 1.1.
- Support Bluetooth Handfree or Headset Profile
- Interoperability between the LDP-7000BTU and other Bluetooth headset is not guaranteed because it depends on compatibility.
- Bluetooth headset model supported by LDP-7000BTU

Jabra BT-200

Jabra BT-250

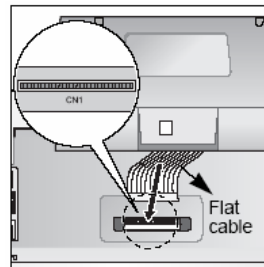
Plantronics M3000

Motorola HS810

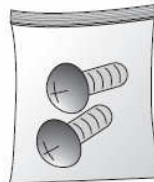
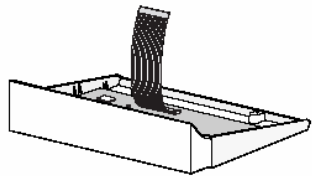
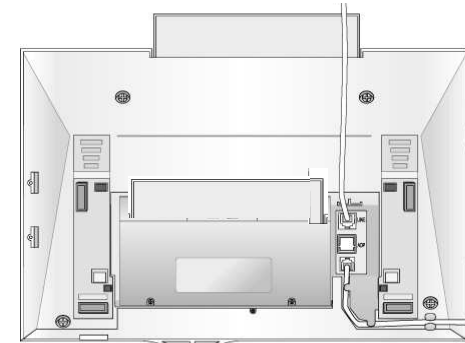




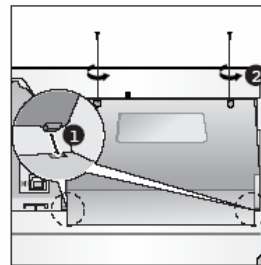
Installation



- Connect the flat cable into the optional connector on the keyset, making sure that it is connected securely.
- ※ The connector number is different according to the keyset.
 - LDP-7024D: CN1
 - LDP-7024LD: CN6



Screw
(2ea)



- Hook the option module cover onto the Keyset base (line up the protrusions on the cover with the receptacles on the keyset base). And then turn the screw clockwise to tighten.



- ※ **Caution Warning**
The Optional Unit connection should make earlier and break later than the line cord.

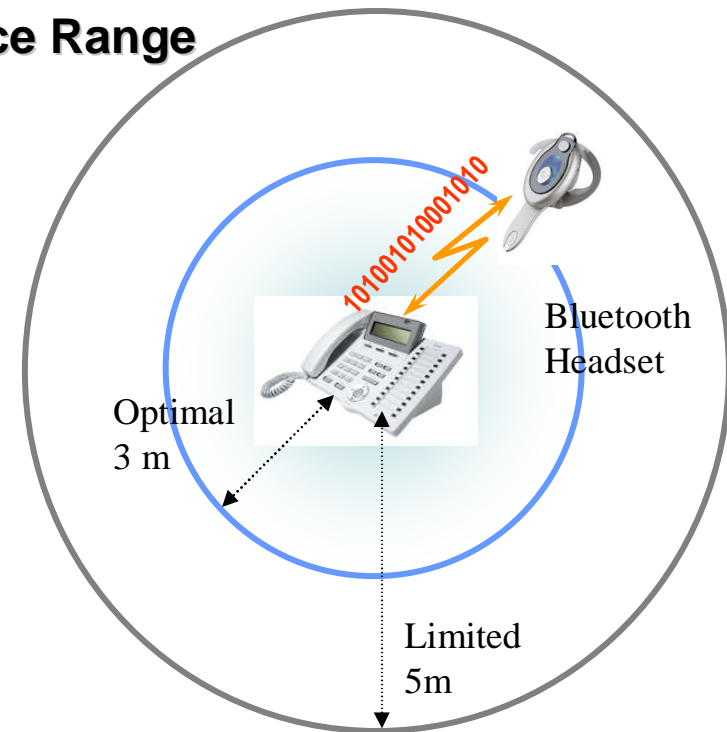



Description of BTU

System description

Frequency band(s) of operation	:	2400 – 2483.5 MHz
Operating frequency	:	2400 – 2483.5 MHz
Channel spacing/bandwidth	:	1 MHz
RF output power	:	- 0.3 dBm
Type of modulation	:	GFSK
Type of antenna	:	Mono Pole
Mode of operation (simplex/duplex)	:	duplex
Duty cycle (access protocol, if applicable)	:	Up to 100%
Equipment class	:	1

Performance Range




Statement of Opinion
 by the Notified Body TÜV Rheinland Product Safety GmbH
 according to the R&TTE Directive 1999/5/EC
 Notified under No. 0197 to the EC Commission

Registration No.: RT 60009409 0001
 Report No.: 21113613 001

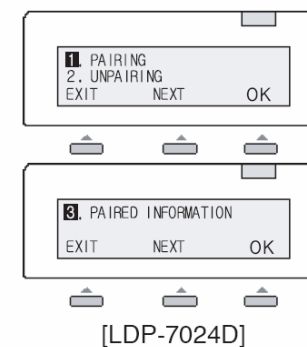
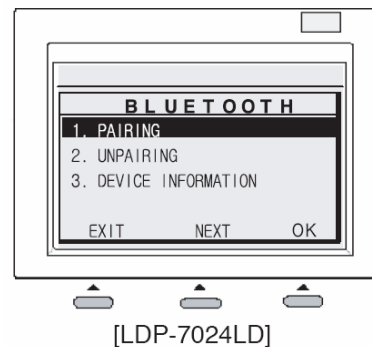
1. Optimal performance range : up to 3m.
2. Limited performance range : up to 5m.
3. Performance range may be decrease in case of the collision with the wireless LAN (802.11b)



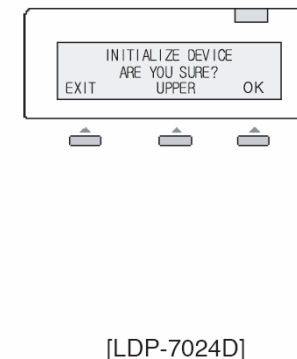
Set-up BTU and BT headset

- Enable the Bluetooth Usage (PGM + " * " + " 4 ")
- Should first pair LDP-7000 BTU with the headset you want to use.
(PGM + " * " + " 3 ")

During pairing it is recommended that the headset and LDP-7000BTU are not more than 1 metre apart - with no solid objects in between.



- you can erase paired information and pair LDP-7000 BTU with new headset.
(PGM + " * " + " 3 ")



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