

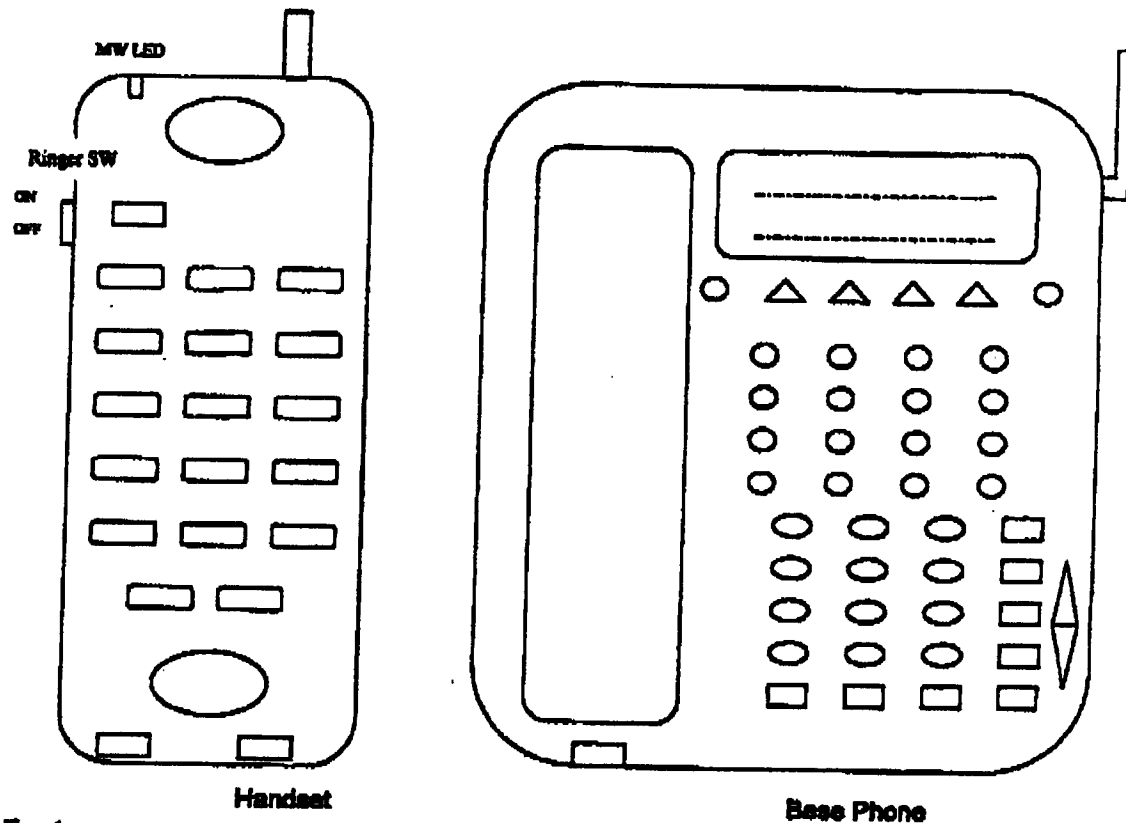
DTP-16HC-1 Operation Manual

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NEC America, Inc.

1. Design

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1.1 Features

- | | |
|---|--|
| (1) Band wide | 900MHz Analog with Voice Scramble |
| (2) Channels | 40 channels |
| (3) Channel Change | (3 Channels Semi-Auto Scan (MCA)) |
| (4) Battery Life | Talk channel can be changed by user operation |
| (5) Auto Talk/Bell in Auto Talk switching | 40 Hours (Standby Time)/4 Hours (Talking Time) |

Auto Talk : Change talk condition by lift handset from cradle.

Bell in Auto Talk : Change talk condition by lift handset from cradle during ringing.

- (6) Any Key Answer
- (7) Battery Low Indicator LED
- (8) Auto Standby (no need to press the talk key for hang up)
- (9) Belt Clip
- (10) Headset Capability (2.5mm Headset jack)

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1.2 Handset

1.2.1 Button and Switch

- | | |
|----------------------|---|
| (1) Talk key | This button is used to make a call and receive a incoming call and hang up a call. |
| (2) Trf key | This button is used to transfer a call to other station. |
| (3) Mute key | This button is used to mute a voice while conversation |
| (4) 0-9,*,# | This button is used to dial while off-hook condition |
| (5) Ch key | This button is used to change transmitted channel on wireless. |
| (6) Vol key | This button is used to change speaker volume (Normal/Medium/High/Loud) while talking. And also to change Ringer volume (Low/High) while idle condition. |
| (7) Ringer ON/OFF SW | This button is used to specify ringer ON/OFF. |

1.2.2 LED

(1) Talk / Battery Low LED

- | | |
|-------------------------|--------------------------------------|
| (a) Talking by handset | Lit |
| (b) Connecting Wireless | Blink (ON:100msec, OFF:100msec) |
| (c) Changing Channel | Blink (ON:100msec, OFF:100msec) |
| (d) Incoming Call | Unlit |
| (e) Low Battery | Flutter (ON:50msec, OFF: 3 - 4.5sec) |
| (f) Muting | Wink (ON:500ms, OFF:500ms) |
| (g) Others | Unlit |

(2) M.W.LED

- | | |
|----------------------|--------------------------------|
| (a) Message Wait Off | Unlit |
| (b) Message Wait On | Lit or Wink (depend on switch) |

<Note>

Message Wait LED is always OFF, while battery charging, handset talking, low battery

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1.2.3 Tone

- (1) Key Touch Tone
- (2) Confirmation Tone
- (3) Error Tone
- (4) Low Battery Alarm
- (5) Bell In Auto Talk → Auto Talk switching Tone
- (6) Auto Talk → Bell In Auto Talk switching Tone
- (7) Ringer Volume Setting Tone
- (8) Ring (Ring Cycle is specified by switch)

2. Power On

2.1 Default Setting

(1) Speaker Volume	Medium
(2) Ringer Volume	High
(3) Auto Talk	ON
(4) Bell in Auto Talk	OFF

<Note>

After changing above setting, data is stored on EEPROM.
Even though battery is dead, memory is keeping.

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3. Operation

3.1 Making a Call

- (1) During stand by mode (lift handset from base station),
Press [Talk] key. [Talk/Batt.Low] LED is flash (ON: 100msec, OFF: 100msec)

<Note>

If [Auto Talk] function is setting, [Talk/Batt.Low] LED will be flash by just lift handset from base station.

- (2) Communication path is establish between handset and base station,
[Talk/Batt.Low] LED will be lit and dial tone can be heard. (Talking condition).

<Note>

While talking condition, [M.W.] LED will always turn off.

The time out of communication is 5 sec. If communication path can not be established with in 5 sec., Error tone is provided and back to stand by condition.

- (3) Press dial key for phone #.
- (4) To disconnect a call to press [Talk] key. Or on hook handset to base station
(Auto Stand by feature)
- (5) After disconnect a call, [M.W.] LED will be recovered.

3.2 Answering a Call

- (1) When receive incoming call, phone start to ring. When handset is on base station, base station only start to ring. While stand by mode, handset and base station both start to ring.

<Note>

When [Ringer ON/OFF] SW is setting OFF, handset does not start to ring.

- (2) In case of "Bell in Auto Talk" mode, lift handset from base station.
While stand by mode, press [Talk] key or any key to answer a call. (Bell in any key Talk)
- (3) When communication is established between handset and base station,
[Talk/Batt.Low] LED will be lit and can be talk condition.

<Note>

While talk condition, [M.W.]LED will turn off.

- (4) To disconnect a call to press [Talk] key. Or on hook handset to base station
(Auto Stand by feature)
- (5) After disconnect a call, [M.W.] LED will be recovered.

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3.3 Transfer a call

During handset talking, call can be transferred to other station.

- (1) Press [Trf] key
- (2) Press digit for extension # you want to transfer a call.
- (3) Press [Talk] key or on hook handset to base station (Auto stand by feature)

<Note>

It can not be allow to transfer a call from handset to base station

3.4 Mute

During handset talking, Mute can be allow.

- (1) Press [Mute] key then [Talk/Batt.Low] LED start to winking [ON: 500msec, OFF: 500msec]
- (2) During Mute condition, voice does not transmit from handset.
- (3) To stop a Mute, to press [Mute] key

3.5 Selecting a Channel

During handset talking, if press [Ch] key, communication channel between handset and base station can be changed. However, if channel changing is failed, Error tone can be provided and stay in same channel. While channel changing, [Talk/Batt.Low] LED will be flashing (ON:100msec, OFF:100msec)

3.6 Setting a Handset Ringer Tone

Slide [Ringer ON/OFF] to Ringer ON or OFF.

3.7 Setting Handset Ringer-Volume

While stand by condition, handset ringer volume can be adjust Low or High by pressing [Vol] key. When press [Vol] key, ringer start to ring based on current setting data. Even though [Ringer ON/OFF] SW is OFF, ringer can be adjust.

3.8 Setting handset Speaker Volume

Speaker volume can be adjust Normal/ Medium/High/Loud by pressing [Vol] key while handset talking. To press [Vol] key, speaker volume is changed High → Loud → Normal → Medium order. After hang up a call, the default volume of next call is start from Medium.

3.9 Bell In Talk and Auto Talk feature Switching

Bell In Talk and Auto Talk mode can be switched by toggle when [Ringer ON/OFF] SW move from OFF to ON to keep pushing [Trf] key. When mode changes, confirmation tone can be heard.

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3.10 Action on Battery Low Condition

Battery is low condition during stand by mode, [Talk/Batt.Low] LED start to wink (ON : 50msec, OFF : 4.5sec) . any key on handset does not work during low battery condition. If battery is low during handset talking, low battery alarm tone can be heard and [Talk/Batt.Low] LED start to wink (ON : 50msec, OFF : 3sec) synchronized low battery alarm tone. If press a [Talk] key to hang up, hand set will be above condition (any key does not work)

<Note>

Ringer does not ring while battery low condition.

3.11 Out of range

The communication is stopped about 30 second during handset talking. Error tone start to ring and handset will be stand by mode.

Caution:

Changes or modifications to this product not expressly approved by NEC, or operation of this product in any way other than as detailed by this Operation Manual, could void your authority to operate this product.