NEC

MH240 Wireless IP Telephone

SETUP GUIDE

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This page is for your notes.

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1 SETUP OF THE PHONE
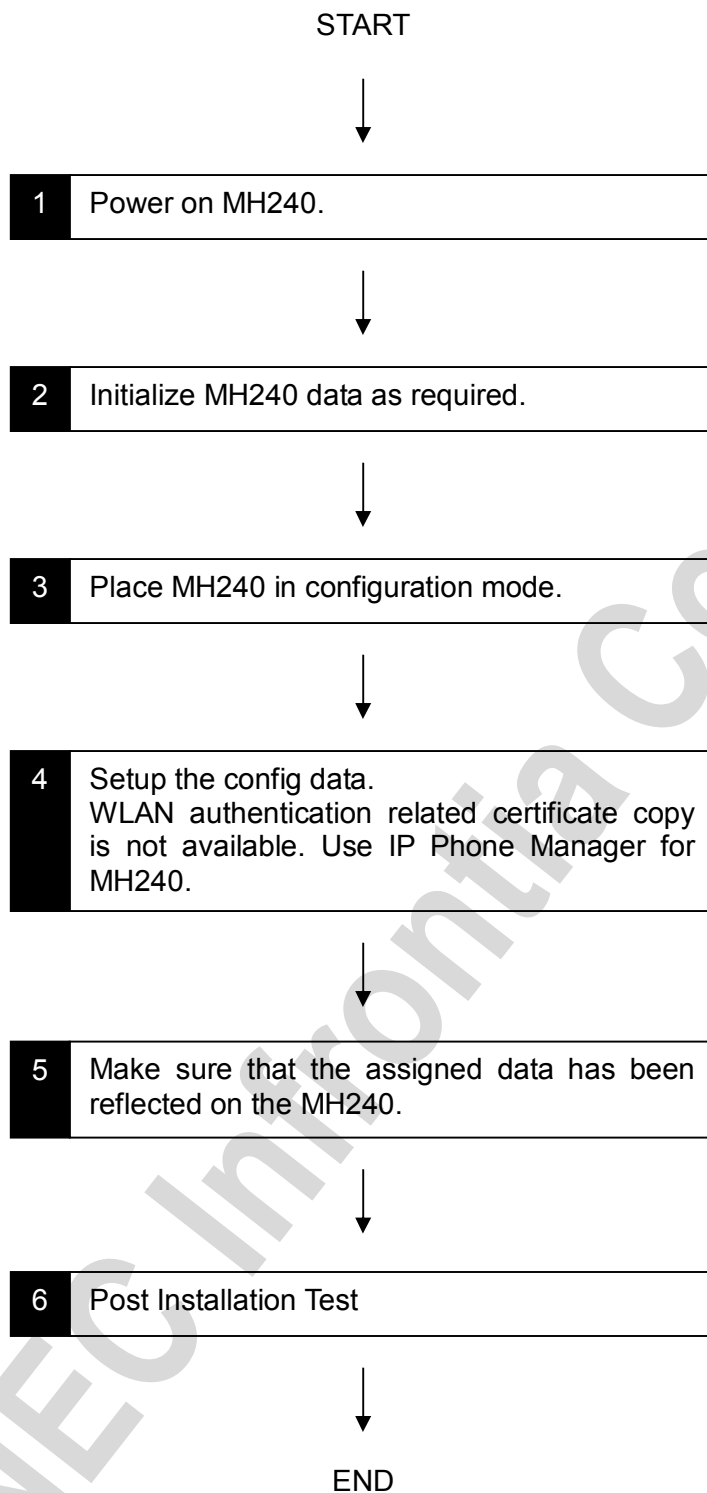
• MH240 SETUP PROCEDURE

MH240 can be setup by one of the following procedures.

1. From MH240 main unit   **Note**

2. Using IP Phone Manager for MH240 via USB cable

3. Using IP Phone Manager for MH240 via WLAN connection

Note: *To set certificate for WLAN authentication, be sure to use IP Phone Manager for MH240. The data can not be set from MH240.*

• SETUP FROM MH240

Follow the procedure below to setup MH240 from the phone. Be sure to change the battery before this setup procedure.

START

1	Power on MH240.

2	Initialize MH240 data as required.

3	Place MH240 in configuration mode.

4	Setup the config data. WLAN authentication related certificate copy is not available. Use IP Phone Manager for MH240.

5	Make sure that the assigned data has been reflected on the MH240.

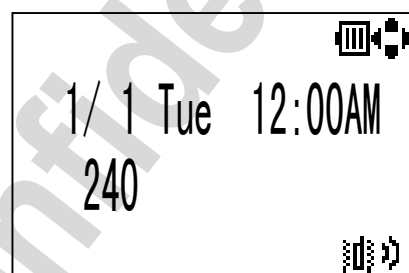| 6	Post Installation Test

END

• POWER ON MH240

STEP1:　　　Press and hold 　━ ⏻ 　key for 2 seconds or more. The start screen appears as follow.

Note: *About 30 seconds will be required for displaying the start screen.*

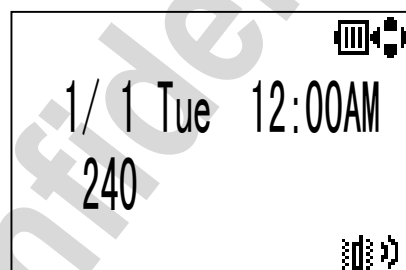STEP2:　　　The screen is placed in Standby mode.
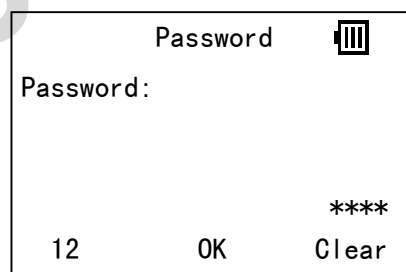
• **INITIALIZE MH240**

Initialize MH240 as required. By doing this procedure, the following data will be initialized.

- Config (configuration data)
- Directory
- Call History
- Speed Dial / Preset Dial
- Date & Time
- Password

STEP1:   Press `MENU` key in Standby mode to display the main menu.

```
                           ▥◀╬▶

 1/ 1 Tue  12:00AM
 240

                           ▒▯▸▸
```

STEP2:   Press `JKL 5` `DEF 3` `1` to go to "1.Config" menu.

```
              Password    ▥

Password:



                        ****
    12        OK       Clear
```

STEP3:   Press `ABC 2` `GHI 4` `0` `#` and hold for 1 second or more about each key.

```
          Debug Menu    ▥╪
1. Version
2. Syslog
3. Telnet
4. g-serial
5. Debug Monitor Mode
```
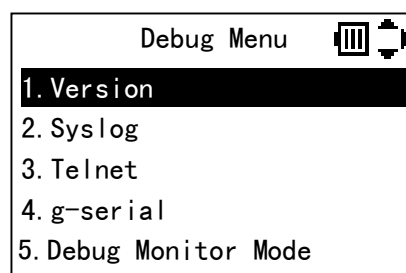
STEP4:   Press `MNO 6` `ABC 2` to initialize the phone.

Note: *The phone will automatically reboot.*

• PLACE THE PHONE IN CONFIG MODE

To set administrator-related data such as Network, WLAN and SIP data, place the phone in Config mode. Config Password entry is required to do this.
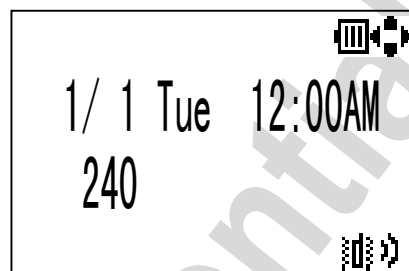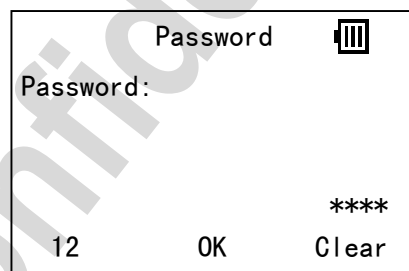
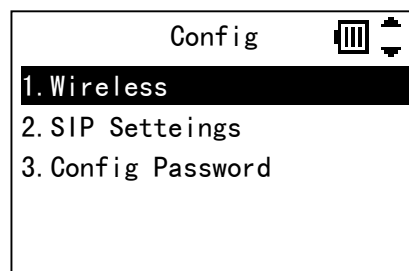STEP1:   Press ⌈MENU⌉ key in Standby mode to display the main menu.

```
                                      ▥◆
              1/ 1 Tue  12:00AM
              240
                                      ▩》
```

STEP2:   Press ⌈JKL 5⌉ ⌈DEF 3⌉ ⌈ 1 ⌉ to go to "1.Config" menu.

```
                    Password    ▥
         Password:


                                ****
         12          OK       Clear
```

STEP3:   Enter Config Password (4 digits) to view "1.Config" menu.

Note: *When the phone has been initialized, please enter new Config Password.*

```
                 Config      ▥ ‡
         1.Wireless
         2.SIP Setteings
         3.Config Password
```

• WIRELESS SETTINGS

This section explains the wireless data for the phone. The following items are covered here.

- Set the Profile Name
- Set the ESSID (Manual)
- Set the ESSID (AP Scan)
- Set the Security (OPEN)
- Set the Security (WEP)
- Set the Security (WPA-PSK)
- Set the Security (WPA2-PSK)
- Set the Security (WPA)
- Set the Security (WPA2)
- Set the DHCP (IP)
- Set the IP Address (Required when Selecting Fixed IP)
- Set the Net Mask (Required when Selecting Fixed IP)
- Set the Gateway (Required when Selecting Fixed IP)
- Set the DNS Primary (Required when Selecting Fixed IP)
- Set the DNS Secondary (Required when Selecting Fixed IP)
- Set the Handover List

Set the Profile Name:

Factory Default: 1.DEFAULT (2 to 9 are blank)

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press ⬜ 1 ⬜ 1 to view Profile Select menu.

```
            Prof. Select  ▥ ⬍
1. DEFAULT
2.〈Profile2〉
3.〈Profile3〉
4.〈Profile4〉
Delete        OK        Back
```

STEP3: Press ⬍ key to select a profile you want to edit and then press "OK" soft key.

STEP4: Press ⬜ 1 ⬜ 1 to go to Profile Name edit screen.

```
            Prof. Name    ▥


Office1▉

    12        OK        Clear
```

STEP5: Edit Profile Name you want and then press "OK" soft key.
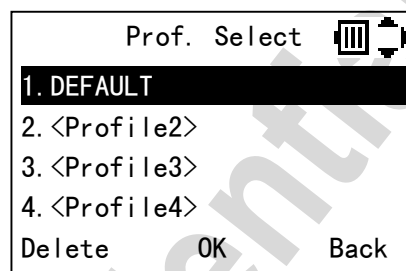
STEP6: Press 📞 ABC 2 to save.

6
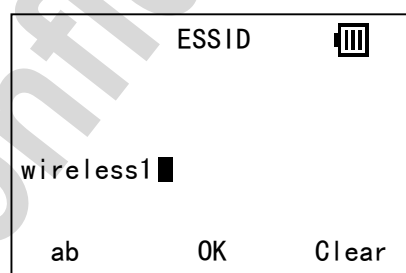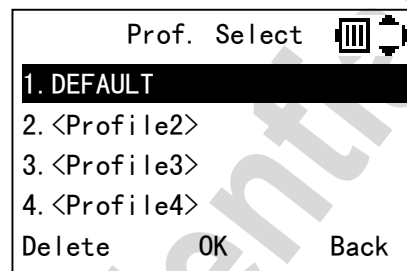
Set the ESSID (Manual):

Factory Default: default (1.DEFAULT)

STEP1:   Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2:   Press [1] [1] to view Profile Select menu.

```
┌─────────────────────────────┐
│         Prof. Select  ▥ ╪   │
├─────────────────────────────┤
│ 1.DEFAULT                   │
│ 2.<Profile2>                │
│ 3.<Profile3>                │
│ 4.<Profile4>                │
│ Delete      OK       Back   │
└─────────────────────────────┘
```

STEP3:   Press ⬍ key to select a profile you want to edit and then press "OK" soft key.

STEP4:   Press [1] [ABC 2] [1] to go to ESSID edit screen.

```
┌─────────────────────────────┐
│           ESSID      ▥      │
│                             │
│                             │
│ wireless1█                  │
│                             │
│    ab       OK      Clear   │
└─────────────────────────────┘
```

STEP5:   Edit ESSID you want to connect and then press "OK" soft key.

STEP6:   Press [☎] [ABC 2] to save.

Set the ESSID (AP Scan):

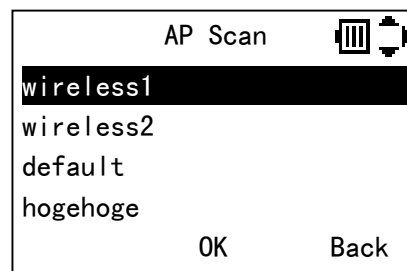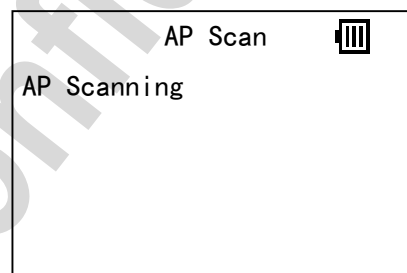**Factory Default: default (1.DEFAULT)**

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1] [1] to view Profile Select menu.

```
┌─────────────────────────────┐
│ Prof. Select    ▥ ◘         │
│ 1.DEFAULT                   │
│ 2.<Profile2>                │
│ 3.<Profile3>                │
│ 4.<Profile4>                │
│ Delete      OK       Back   │
└─────────────────────────────┘
```

STEP3: Press ▲▼ key to select a profile you want to edit and then press "OK" soft key.

STEP4: Press [1] [ABC 2] [ABC 2] to scan AP and then view Scanned ESSID list.

```
┌─────────────────────────────┐
│ AP Scan         ▥           │
│ AP Scanning                 │
│                             │
│                             │
│                             │
│                             │
└─────────────────────────────┘
```

⬇

```
┌─────────────────────────────┐
│ AP Scan         ▥ ◘         │
│ wireless1                   │
│ wireless2                   │
│ default                     │
│ hogehoge                    │
│             OK       Back   │
└─────────────────────────────┘
```

STEP5: Press ▲▼ key to select ESSID you want to connect and then press "OK" soft key.

STEP6: Press [☎] [ABC 2] to save.

Set the Security (OPEN):

Factory Default: OPEN

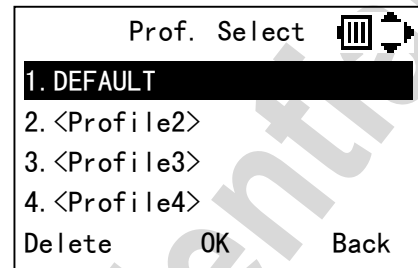STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1] [1] to view Profile Select menu.

```
Prof. Select  ▥ ▲▼
1. DEFAULT
2. <Profile2>
3. <Profile3>
4. <Profile4>
Delete      OK      Back
```

STEP3: Press ▲▼ key to select a profile you want to set security and then press "OK" soft key.

STEP4: Press [1] [DEF 3] to go to Security setting screen.

```
Security  ▥ ▲▼
◉ OPEN
○ WEP
○ WPA-PSK
○ WPA2-PSK
○ WPA
```
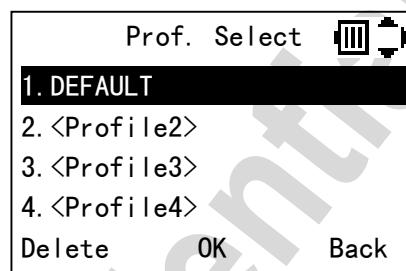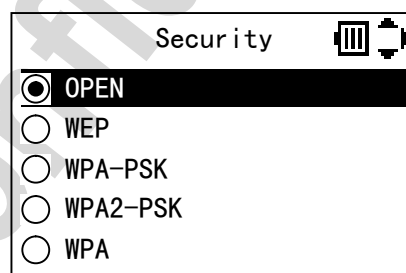
STEP5: Press ▲▼ key to select "OPEN" and then press ◉ key.

STEP6: Press [☎] [ABC 2] to save.

Set the Security (WEP):

Factory Default: OPEN

STEP1:   Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2:   Press ⬚1⬚ ⬚1⬚ to view Profile Select menu.

```
Prof. Select  ▥ ◆
1. DEFAULT
2. <Profile2>
3. <Profile3>
4. <Profile4>
Delete      OK      Back
```
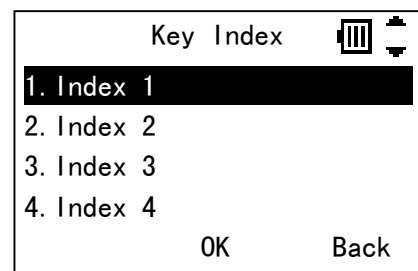
STEP3:   Press ◆ key to select a profile you want to set security and then press "OK" soft key.

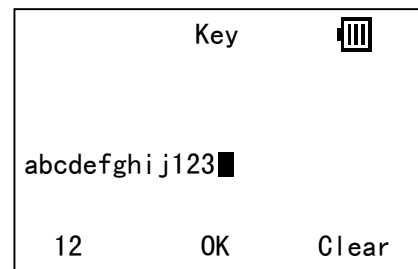STEP4:   Press ⬚1⬚ ⬚DEF3⬚ to go to Security setting screen.

```
Security  ▥ ◆
◉ OPEN
◯ WEP
◯ WPA-PSK
◯ WPA2-PSK
◯ WPA
```
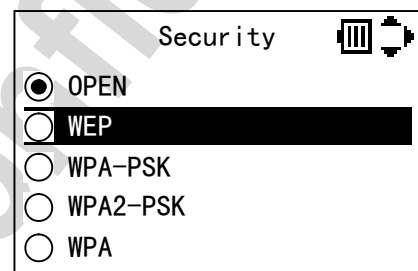
STEP5:   Press ◆ key to select "WEP" and then press ◉ key.

STEP6:   Press ⬚1⬚ to go to Key Index setting screen.

```
Key Index  ▥ ◆
1. Index 1
2. Index 2
3. Index 3
4. Index 4
              OK      Back
```

STEP7:   Press ◆ key to select a Key Index and then press "OK" soft key.

STEP8:   Press ⬚ABC2⬚ to go to WEP Key edit screen.

```
Key  ▥

abcdefghij123█

12        OK      Clear
```

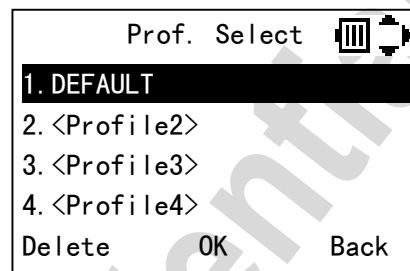STEP9:   Edit WEP Key (HEX or ASCII) and then press "OK" soft key.

STEP10: Press ⬚─○⬚ ⬚ABC2⬚ to save.

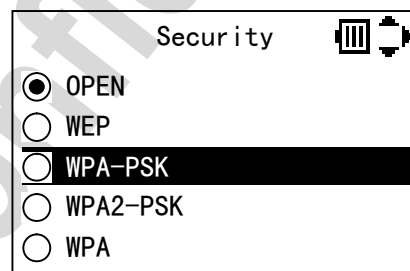**Set the Security (WPA-PSK):**

Factory Default: OPEN

STEP1:   Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2:   Press [1] [1] to view Profile Select menu.

```
Prof. Select  ▥ ⬍
1.DEFAULT
2.<Profile2>
3.<Profile3>
4.<Profile4>
Delete      OK      Back
```
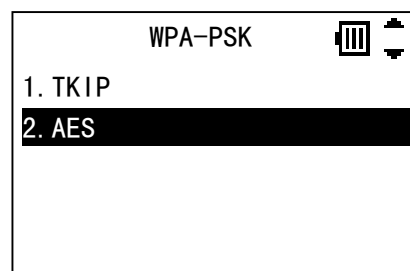
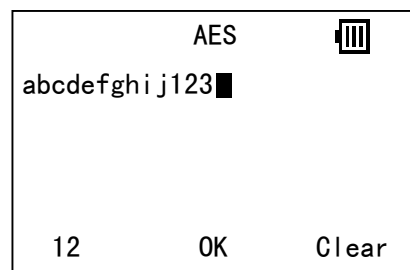STEP3:   Press ⬍ key to select a profile you want to set security and then press "OK" soft key.

STEP4:   Press [1] [DEF 3] to go to Security setting screen.

```
Security  ▥ ⬍
⦿ OPEN
○ WEP
○ WPA-PSK
○ WPA2-PSK
○ WPA
```

STEP5:   Press ⬍ key to select "WPA-PSK" and then press ⦿ key.

```
WPA-PSK  ▥ ⬍
1.TKIP
2.AES
```

STEP6:   Press ⬍ key to select an encryption "1.TKIP" or "2.AES" and then press ⦿ key.

```
AES  ▥
abcdefghij123█


12      OK      Clear
```

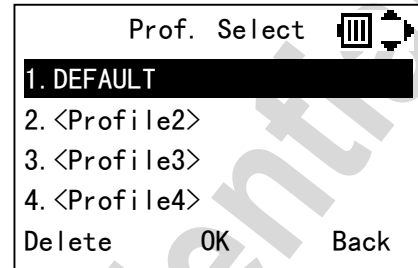STEP7:   Edit TKIP or AES Key (ASCII) and then press "OK" soft key.

STEP8:   Press [☎] [ABC 2] to save.

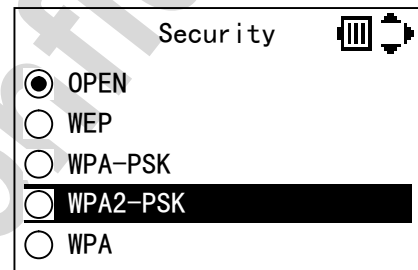**Set the Security (WPA2-PSK):**

Factory Default: OPEN

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1][1] to view Profile Select menu.

```
Prof. Select  ▥ ▲▼
1. DEFAULT
2. <Profile2>
3. <Profile3>
4. <Profile4>
Delete      OK      Back
```
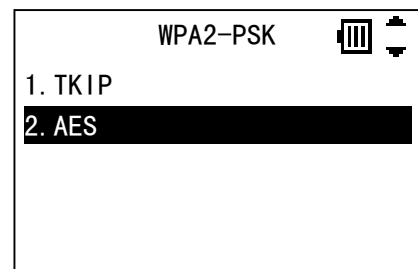
STEP3: Press ▲▼ key to select a profile you want to set security and then press "OK" soft key.

STEP4: Press [1][DEF 3] to go to Security setting screen.

```
Security  ▥ ▲▼
⦿ OPEN
◯ WEP
◯ WPA-PSK
  WPA2-PSK
◯ WPA
```

STEP5: Press ▲▼ key to select "WPA2-PSK" and then press ⦿ key.

```
WPA2-PSK  ▥ ▲▼
1. TKIP
2. AES
```

STEP6: Press ▲▼ key to select an encryption "1.TKIP" or "2.AES" and then press ⦿ key.

```
AES       ▥
abcdefghij123█



12        OK      Clear
```

STEP7: Edit TKIP or AES Key (ASCII) and then press "OK" soft key.

STEP8: Press [⌐○][ABC 2] to save.

Set the Security (WPA):

STEP1:   Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2:   Press [**1**] [**1**] to view Profile Select menu.

```
                    Prof. Select  ▥ ↕
1. DEFAULT
2. <Profile2>
3. <Profile3>
4. <Profile4>
Delete        OK        Back
```

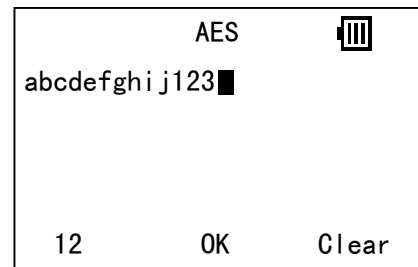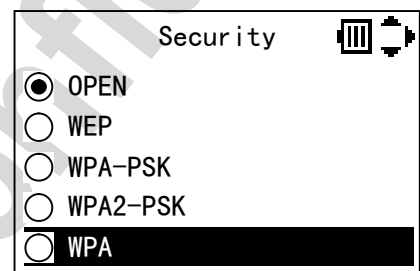STEP3:   Press ⬍ key to select a profile you want to set security and then press "OK" soft key.

STEP4:   Press [**1**] [**DEF 3**] to go to Security setting screen.

```
                    Security  ▥ ↕
◉ OPEN
○ WEP
○ WPA-PSK
○ WPA2-PSK
○ WPA
```
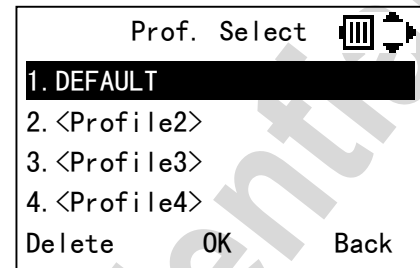
STEP5:   Press ⬍ key to select "WPA" and then press ◉ key.
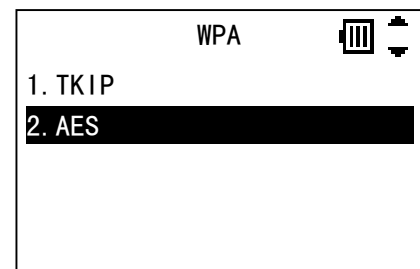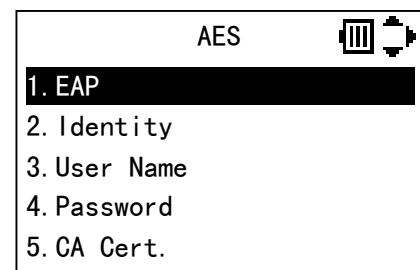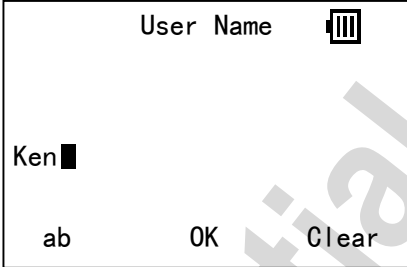
```
                    WPA  ▥ ↕
1. TKIP
2. AES
```

STEP6:   Press ⬍ key to select an encryption "1.TKIP" or "2.AES" and then press ◉ key.

```
                    AES  ▥ ↕
1. EAP
2. Identity
3. User Name
4. Password
5. CA Cert.
```

STEP7:   Press [**1**] [**DEF 3**] to set EAP type to PEAP.

STEP8: Press 〔DEF **3**〕 to go to User Name edit screen.

```
┌─────────────────────────────┐
│     User Name        ▥       │
│                              │
│                              │
│ Ken█                         │
│                              │
│    ab        OK      Clear   │
└─────────────────────────────┘
```

STEP9: Edit User Name and then press "OK" soft key.

STEP10: Press 〔GHI **4**〕 to go Password edit screen.

```
┌─────────────────────────────┐
│       Password       ▥       │
│                              │
│                              │
│ aaabbbccc111█                │
│                              │
│    12        OK      Clear   │
└─────────────────────────────┘
```
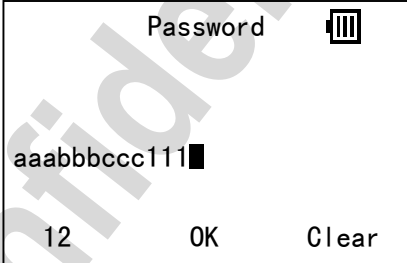
STEP11: Edit Password and then press "OK" soft key.

STEP12: Press 〔☎ ⏻〕〔ABC **2**〕 to save.

NOTE: *If you want to set TLS as EAP type, please use IP Phone Manager for MH240.*

Set the Security (WPA2):

Factory Default: OPEN

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press 〔 **1** 〕〔 **1** 〕 to view Profile Select menu.

```
Prof. Select   ▥ ↕
1. DEFAULT
2. <Profile2>
3. <Profile3>
4. <Profile4>
Delete      OK      Back
```

STEP3: Press ↕ key to select a profile you want to set security and then press "OK" soft key.

STEP4: Press 〔 **1** 〕〔 **DEF 3** 〕 to go to Security setting screen.

```
Security   ▥ ↔
○ WEP
○ WPA-PSK
○ WPA2-PSK
○ WPA
○ WPA2
```

STEP5: Press ↕ key to select "WPA2" and then press ⦿ key.
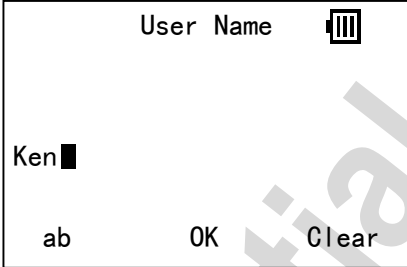
```
WPA2   ▥ ↕
1. TKIP
2. AES
```

STEP6: Press ↕ key to select an encryption "1.TKIP" or "2.AES" and then press ⦿ key.

```
AES   ▥ ↕
1. EAP
2. Identity
3. User Name
4. Password
5. CA Cert.
```

STEP7: Press 〔 **1** 〕〔 **DEF 3** 〕 to set EAP type to PEAP.

STEP8: Press [DEF 3] to go to User Name edit screen.

```
┌─────────────────────────────┐
│       User Name      ▯▥      │
│                             │
│                             │
│ Ken█                        │
│                             │
│    ab        OK      Clear  │
└─────────────────────────────┘
```

STEP9: Edit User Name and then press "OK" soft key.

STEP10: Press [GHI 4] to go Password edit screen.

```
┌─────────────────────────────┐
│        Password      ▯▥      │
│                             │
│                             │
│ aaabbbccc111█               │
│                             │
│  12         OK      Clear   │
└─────────────────────────────┘
```
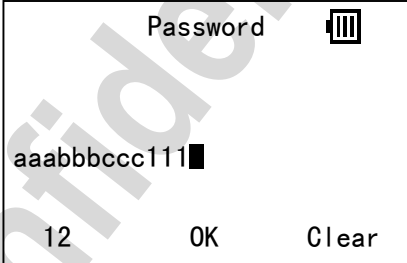
STEP11: Edit Password and then press "OK" soft key.
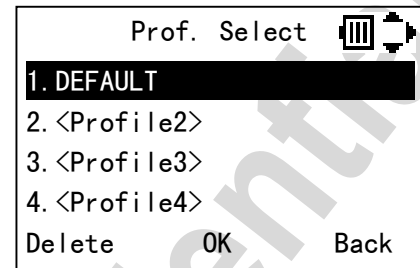
STEP12: Press [📞 ⏻][ABC 2] to save.

NOTE: *If you want to set TLS as EAP type, please use IP Phone Manager for MH240.*
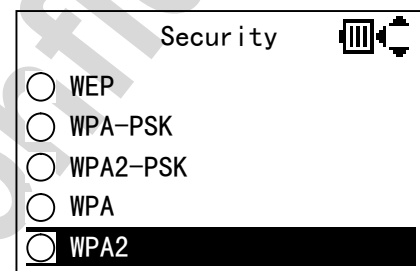
Set the DHCP (IP):

Factory Default: Fixed IP

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1][1] to view Profile Select menu.

```
              Prof. Select  ▥ ▲▼
1. DEFAULT
2. <Profile2>
3. <Profile3>
4. <Profile4>
Delete        OK        Back
```
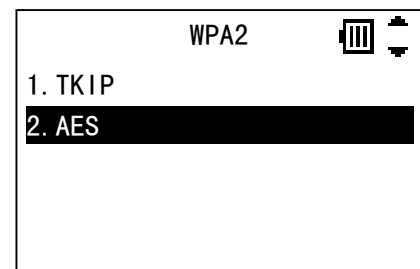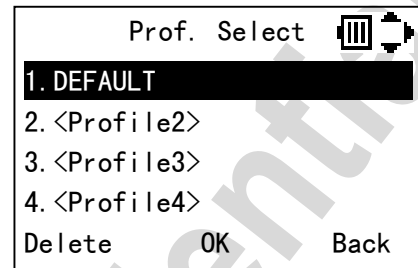
STEP3: Press ▲▼ key to select a profile you want to edit and then press "OK" soft key.

STEP4: Press [ABC 2][ABC 2] to enable DHCP.

STEP5: Press [HOLD][HOLD][HOLD][HOLD][ABC 2] to save.

STEP6: Press [☎⏻] to return to Standby mode.

Set the IP Address:

Factory Default: 172.16.1.240 (1.DEFAULT)

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1][1] to view Profile Select menu.

```
              Prof. Select  ▥ ▲▼
1. DEFAULT
2. <Profile2>
3. <Profile3>
4. <Profile4>
Delete        OK        Back
```

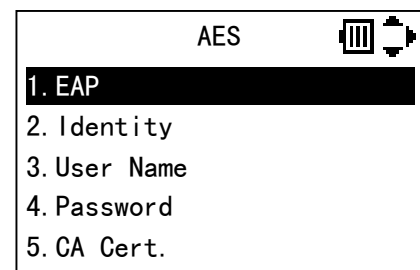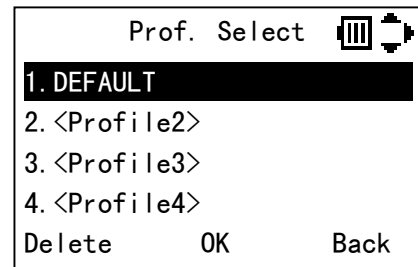STEP3: Press ▲▼ key to select a profile you want to edit and then press "OK" soft key.

STEP4: Press [ABC 2][1][1] to go to IP Address edit screen.

```
              IP Address   ▥


   172 .  16 . 1 . 200

   12          OK        Clear
```
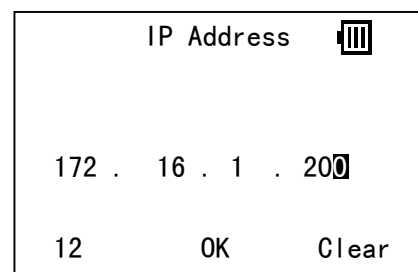
STEP5: Edit IP Address you want and then press "OK" soft key.

STEP6: Press [☎⏻][ABC 2] to save.

Set the Net Mask:

Factory Default: 255.255.0.0 (1.DEFAULT)

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1] [1] to view Profile Select menu.

```
  Prof. Select  ▥↕
1.DEFAULT
2.<Profile2>
3.<Profile3>
4.<Profile4>
Delete      OK      Back
```
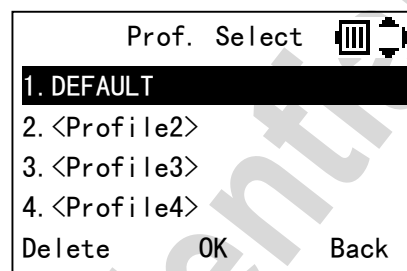
STEP3: Press ↕ key to select a profile you want to edit and then press "OK" soft key.

STEP4: Press [ABC 2] [1] [ABC 2] to go to Net Mask edit screen.

```
         Net Mask    ▥


  255 . 255 . 0 . 0■

  12          OK     Clear
```
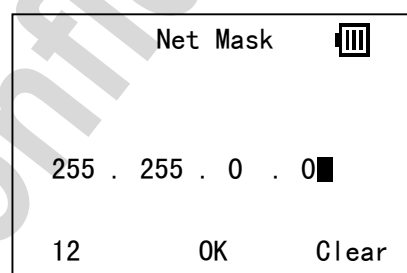
STEP5: Edit Net Mask you want and then press "OK" soft key.

STEP6: Press [☎] [ABC 2] to save.

Set the Gateway:

Factory Default: -

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1][1] to view Profile Select menu.

```
                    Prof. Select   ▥ ♦
                1. DEFAULT
                2. <Profile2>
                3. <Profile3>
                4. <Profile4>
                Delete        OK        Back
```
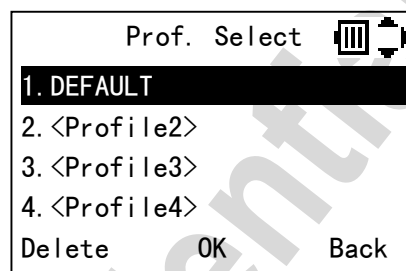
STEP3: Press ⬍ key to select a profile you want to edit and then press "OK" soft key.

STEP4: Press [ABC 2][1][DEF 3] to go to Gateway edit screen.

```
                    Gateway        ▥


                172 . 16 . 0 . 1▮

                12           OK        Clear
```
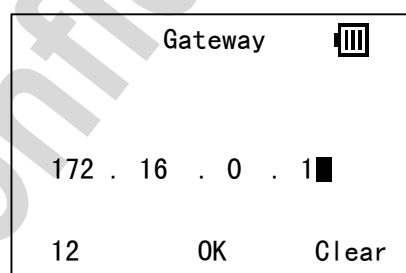
STEP5: Edit Gateway you want and then press "OK" soft key.

STEP6: Press [➟☎][ABC 2] to save.

Set the DNS Primary:

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1][1] to view Profile Select menu.

```
                    Prof. Select  ▥ ⬍
            1. DEFAULT
            2. <Profile2>
            3. <Profile3>
            4. <Profile4>
            Delete      OK      Back
```
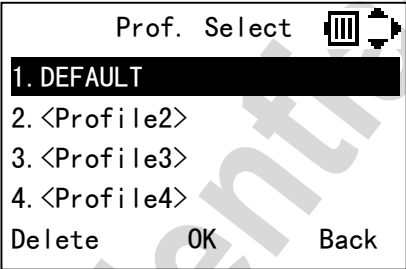
STEP3: Press ⬍ key to select a profile you want to edit and then press "OK" soft key.

STEP4: Press [ABC 2][1][GHI 4] to go to DNS Primary edit screen.

```
                    DNS Pri     ▥


            172 . 16 . 0 . 2█

            12          OK      Clear
```
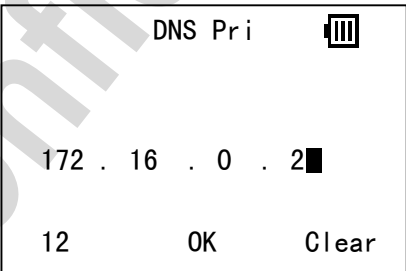
STEP5: Edit DNS Primary you want and then press "OK" soft key.

STEP6: Press [☎ ⏻][ABC 2] to save.

20

Set the DNS Secondary:

Factory Default: -

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [1][1] to view Profile Select menu.

```
┌─────────────────────────────┐
│         Prof. Select   ▥ ↕  │
│ 1. DEFAULT                  │
│ 2. <Profile2>               │
│ 3. <Profile3>               │
│ 4. <Profile4>               │
│ Delete       OK       Back  │
└─────────────────────────────┘
```
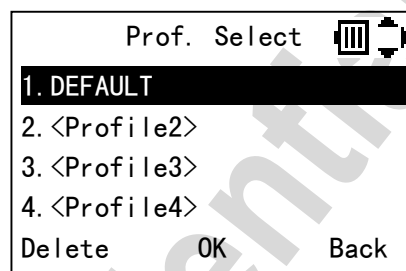
STEP3: Press ↕ key to select a profile you want to edit and then press "OK" soft key.

STEP4: Press [ABC 2][1][JKL 5] to go to DNS Secondary edit screen.

```
┌─────────────────────────────┐
│           DNS Sec      ▥    │
│                             │
│                             │
│    172 . 16 . 0 . 3▮        │
│                             │
│    12         OK     Clear  │
└─────────────────────────────┘
```
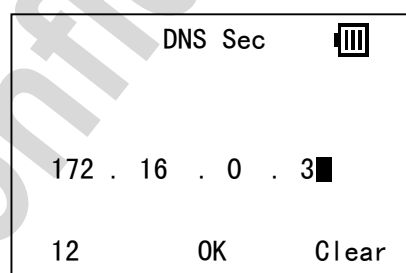
STEP5: Edit DNS Secondary you want and then press "OK" soft key.

STEP6: Press [☎ ⏻][ABC 2] to save.

Set the Handover List:

Factory Default: DEFAULT

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [**1**] [**ABC 2**] to view Handover List.

```
HandoverList    ▥ ↕
1. DEFAULT
2. <Profile2>
3. <Profile3>
4. <Profile4>
                OK      Back
```
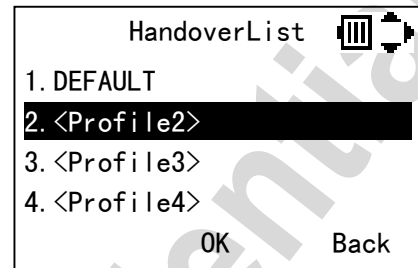
STEP3: Press ↕ key to select a profile area you want and then press "OK" soft key.

STEP4: Press "OK" soft key to view profile list.

```
Prof. Select   ▥ ↕
Office1
Office2
Office3
Office4
                Save    Back
```
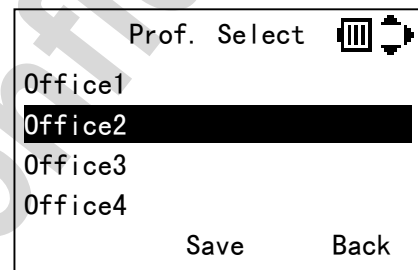
STEP5: Press ↕ key to select a profile you want to add and then press "Save" soft key.

STEP6: Press [**☎ ◌**] [**ABC 2**] to save.

• SIP SETTINGS

This section explains the SIP data for the phone. The following items are covered here.

- Set the DHCP (SIP)
- Set the SIP Proxy
- Set the SIP Port
- Set the Register
- Set the Register Port
- Set the User ID
- Set the User Password
- Set the Phone No.

Set the DHCP (SIP):

Factory Default: Disable

STEP1:   Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2:   Press $\boxed{\text{ABC } 2}$ $\boxed{1}$ $\boxed{1}$ to go to DHCP (SIP) menu.

```
┌─────────────────────────────┐
│         Auto(DHCP)    ▥ ▲▼   │
│ 1.Disable                   │
│ 2.Enable                    │
│                             │
│                             │
│              OK       Back  │
└─────────────────────────────┘
```
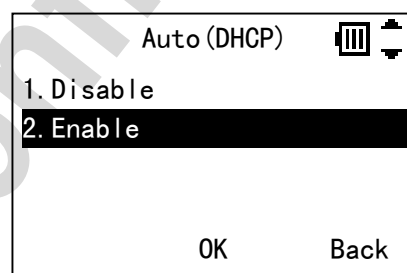
STEP3:   Press $\boxed{\text{ABC } 2}$ to enable DHCP (SIP).

STEP4:   Press $\boxed{\text{☎ ⏻}}$ $\boxed{\text{ABC } 2}$ to save.

NOTE: *This feature will not work well without DHCP Server supporting SIP option.*

Set the SIP Proxy:

Factory Default: 172.16.0.10 (SIP Proxy1)

STEP1:   Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2:   Press $\boxed{\text{ABC } 2}$ $\boxed{1}$ $\boxed{\text{ABC } 2}$ to go to SIP Proxy1 edit screen.

```
┌─────────────────────────────┐
│         SIP Proxy1    ▥      │
│                             │
│                             │
│ 172.16.0.10▮                │
│                             │
│   12        OK      Clear   │
└─────────────────────────────┘
```
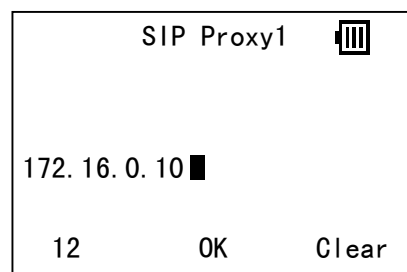
STEP3:   Edit SIP Proxy (IP Address or FQDN) and then press "OK" soft key.
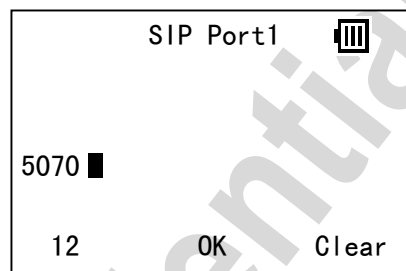
STEP4:   Press $\boxed{\text{☎ ⏻}}$ $\boxed{\text{ABC } 2}$ to save.

Set the SIP Port:

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [ABC 2] [1] [DEF 3] to go to SIP Port1 edit screen.

```
┌──────────────────────────────┐
│        SIP Port1      ▥       │
│                              │
│                              │
│ 5070▮                        │
│                              │
│    12          OK      Clear  │
└──────────────────────────────┘
```

STEP3: Edit SIP Prort and then press "OK" soft key.
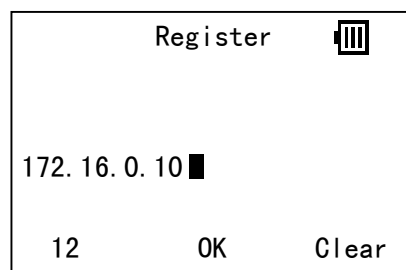
STEP4: Press [📞⏻] [ABC 2] to save.

Set the Register:

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [ABC 2] [ABC 2] to go to Register edit screen.

```
┌──────────────────────────────┐
│        Register       ▥       │
│                              │
│                              │
│ 172.16.0.10▮                 │
│                              │
│    12          OK      Clear  │
└──────────────────────────────┘
```

STEP3: Edit Register (IP Address or FQDN) and then press "OK" soft key.
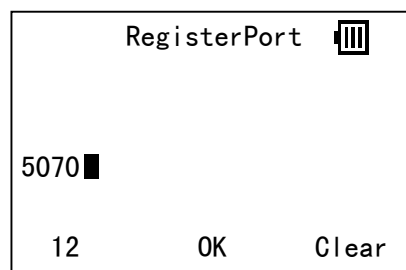
STEP4: Press [📞⏻] [ABC 2] to save.

Set the Register Port:

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [ABC 2] [DEF 3] to go to Register Port edit screen.

```
┌──────────────────────────────┐
│        RegisterPort   ▥       │
│                              │
│                              │
│ 5070▮                        │
│                              │
│    12          OK      Clear  │
└──────────────────────────────┘
```

STEP3: Edit Register Port and then press "OK" soft key.
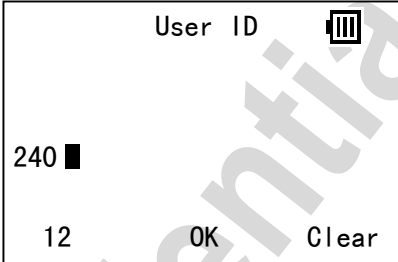
STEP4: Press [📞⏻] [ABC 2] to save.

Set the User ID:

Factory Default: 240

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [ABC 2] [GHI 4] to go to User ID edit screen.

```
┌─────────────────────────────┐
│            User ID      ▥   │
│                             │
│                             │
│ 240 ▮                       │
│                             │
│   12          OK      Clear │
└─────────────────────────────┘
```

STEP3: Edit User ID and then press "OK" soft key.

STEP4: Press [☎] [ABC 2] to save.
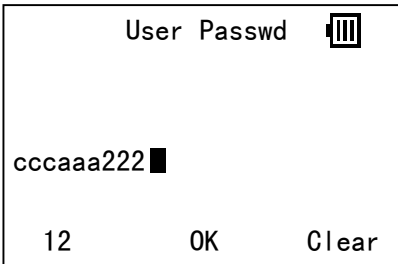
NOTE: *User ID you set will be copied to Phone No automatically.*

Set the User Password:

Factory Default: -

STEP1: Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2: Press [ABC 2] [JKL 5] to go to User Password edit screen.

```
┌─────────────────────────────┐
│          User Passwd    ▥   │
│                             │
│                             │
│ cccaaa222 ▮                 │
│                             │
│   12          OK      Clear │
└─────────────────────────────┘
```

STEP3: Edit User Password and then press "OK" soft key.

STEP4: Press [☎] [ABC 2] to save.

Set the Phone No.:

STEP1:   Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2:   Press [ABC **2**] [MNO **6**] to go to Phone No. edit screen.

```
┌─────────────────────────────┐
│           Phone No.    ▥    │
│                             │
│                             │
│  240 ▮                      │
│                             │
│   12          OK      Clear │
└─────────────────────────────┘
```
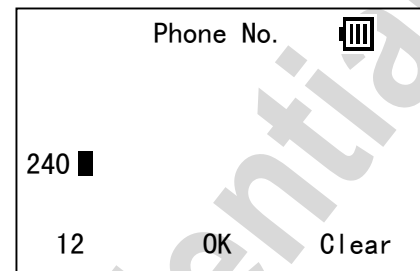
STEP3:   Edit Phone No. and then press "OK" soft key.

STEP4:   Press [☎○] [ABC **2**] to save.

NOTE: *Phone No. you set will be displayed in Standby mode screen.*

• CONFIG PASSWORD SETTINGS

This section explains the Config Password for the phone. The following items are covered here.

- Set the New Config Password
- Change the Config Password

Set the New Config Password:

STEP1:   Press ⬛5 ⬛3 ⬛1 to go to New Config Password edit screen.

```
┌────────────────────────────┐
│        Password      ▥     │
│                            │
│ New Password:              │
│                            │
│                            │
│                            │
│                       0000 │
│   12        OK      Clear   │
└────────────────────────────┘
```

STEP2:   Edit New Config Password (4 digits) and then press "OK" soft key.

STEP3:   Press 📞 to return to Standby mode.

NOTE: *This procedure is available only when MH240 has been initialized.*

**Change the Config Password:**

STEP1:   Go to "Config" menu. (See "PLACE THE PHONE IN CONFIG MODE")

STEP2:   Press ⬛3 to go to Old Password confirmation screen.

```
┌────────────────────────────┐
│        Password      ▥     │
│                            │
│ Old Password:              │
│                            │
│                            │
│                            │
│                       ****  │
│   12        OK      Clear   │
└────────────────────────────┘
```

STEP3:   Enter current Config Password and then press "OK" soft key.

```
┌────────────────────────────┐
│        Password      ▥     │
│                            │
│ New Password:              │
│                            │
│                            │
│                            │
│                       9999 │
│   12        OK      Clear   │
└────────────────────────────┘
```

STEP4:   Enter New Config Password and then Press "OK" soft key.

STEP5:   Press 📞 to return to Standby mode.

This page is for your notes.

2.MENU LIST

• CONFIG MENU LIST

The following shows Config menu list of MH240 with the default values and remarks as required.

Category	Menu	Default	Remarks
Config [MENU-5-3-1]	1.Wireless 2.SIP Settings 3.Config Password		Need Config Password

Category					Menu	Default	Remarks
1.Wireless							
	1.Profile						
		1.DEFAULT	1.Wireless				
		2.\<Profile2\>		1.Profile Name	(alphanumeric characters)		18bytes
		3.\<Profile3\>	2.ESSID				
		4.\<Profile4\>		1.Manual	(alphanumeric characters)	default	32bytes
		5.\<Profile5\>		2.AP Scan			
		6.\<Profile6\>	3.Secrity				
		7.\<Profile7\>		OPEN			
		8.\<Profile8\>		WEP			
		9.\<Profile9\>		1.Key Index	**1.Index 1** **2.Index 2** **3.Index 3** **4.Index 4**	1.Index 1	
				2.Key	(alphanumeric characters)		[64bit] 5 characters (ASCII) 10 characters (HEX) [128bit] 13 characters (ASCII) 26 characters (HEX)
				WPA-PSK			
				1.TKIP	(alphanumeric characters)		8 to 64 bytes
				2.AES	(alphanumeric characters)		8 to 63 bytes
				WPA2-PSK			
				1.TKIP	(alphanumeric characters)		8 to 64 bytes
				2.AES	(alphanumeric characters)		8 to 63 bytes
				WPA			
				1.TKIP 2.AES	1.EAP	**1.MD5** **2.TLS** **3.PEAP**	
					2.Identity	(alphanumeric characters)	32bytes
					3.User Name	(alphanumeric characters)	40bytes
					4.Password	(alphanumeric characters)	40bytes
					5.CA Cert.		N/A
					6.User Cert.		N/A
					7.Private Key		N/A
				WPA2			
				1.TKIP 2.AES	1.EAP	**1.MD5** **2.TLS** **3.PEAP**	
					2.Identity	(alphanumeric characters)	32bytes
					3.User Name	(alphanumeric characters)	40bytes
					4.Password	(alphanumeric characters)	40bytes
					5.CA Cert.		N/A
					6.User Cert.		N/A
					7.Private Key		N/A
			4.Advanced				
				01.Channel	(Channel 1 to 11)		
				02.Data Rate	**01.Auto** **02.1Mbps** **03.2Mbps** **04.5.5Mbps** **05.6Mbps** **06.9Mbps** **07.11Mbps** **08.12Mbps** **09.18Mbps** **10.24Mbps** **11.36Mbps** **12.48Mbps** **13.54Mbps**	01.Auto	
				03.TX Power	**01.High** **02.Middle** **03.Low**	01.High	
				04.Roam Threshold	(-90 to -40)		
				05.Roam Delta	(0 to 40)		
				06.Nprobes	(0 to 10)		
				07.Scan Threshold	(-90 to -40)		
				08.Packet Los Count	(0 to 50)		
				09.Active Time	(0 to 100)		
				10.Home Time	(0 to 100)		

Category	Menu	Default	Remarks
2.IP Setting			
1.Fixed IP			
1.IP Address	(numeric characters)	172.16.1.240	
2.Net Mask	(numeric characters)	255.255.255.0	
3.Gateway	(numeric characters)		
4.DNS Primary	(numeric characters)		
5.DNS Secondary	(numeric characters)		
2.DHCP			
2.Handover List	**1.DEFAULT** **2.\<Profile2\>** **3.\<Profile3\>** **4.\<Profile4\>** **5.\<Profile5\>**		
2.SIP Settings			
1.SIP Proxy			
1.Auto(DHCP)			
2.SIP Proxy1	(numeric characters)	172.16.0.10	FQDN also available
3.SIP Port1	(numeric characters)	5070	1024 to 65535
4.SIP Proxy2	(numeric characters)		FQDN also available
5.SIP Port2	(numeric characters)		1024 to 65535
6.SIP Proxy3	(numeric characters)		FQDN also available
7.SIP Port3	(numeric characters)		1024 to 65535
8.SIP Proxy4	(numeric characters)		FQDN also available
9.SIP Port4	(numeric characters)		1024 to 65535
2.Register	(numeric characters)		FQDN also available
3.Regster Port	(numeric characters)		1024 to 65535
4.User ID	(numeric characters)	240	32bytes alphanumeric characters also available
5.Use Password	(alphanumeric characters)		40bytes numeric characters also available
6.Phone No.	(numeric characters)	240	32bytes alphanumeric characters also available
7.Advanced			
1.Resister Timer	(0 to 3600 sec)	1800sec	
2.Codec	**1.Auto** **2.G.711u** **3.G.711a** **4.G.729A**	2.G.711u	
3.Payload Size	**20/30/40/50/60/70/80 ms**	30ms	
4.DTMF Mode	**1.Inband** **2.Outband(RFC2833)**	1.Inband	
5.Jitter Buffer	(numeric characters)		
6.VM Number	(numeric characters)	*8	40bytes
7.Prefix Number			

1.\<Prefix1\>
      2.\<Prefix2\>
      3.\<Prefix3\>
      4.\<Prefix4\>
	(numeric characters)		32bytes

3.Config Password			
Old Password	**(4 digits)**		
New Password	**(4 digits)**		

• CHARACTER CODE LIST

The following shows character code list when your phone is in edit mode.

Character Code List

	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
1	"	'	[	]	<	>	(	)	{	}	
ABC 2	A	B	C	a	b	c					
DEF 3	D	E	F	d	e	f					
GHI 4	G	H	I	g	h	i					
JKL 5	J	K	L	j	k	l					
MNO 6	M	N	O	m	n	o					
PQRS 7	P	Q	R	S	p	q	r	s			
TUV 8	T	U	V	t	u	v					
WXYZ 9	W	X	Y	Z	w	x	y	z			
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3.TROUBLE SHOOTING

• MESSAGE MEANINGS AND SUGGESTIONS

The following shows the meanings and suggestions of messages that may be displayed on your phone.

Message	Meaning & Suggestion
[Password] UnAuthorized!	The entered password is not correct. Enter the correct password.
[Low Battery] Please charge it	Battery charge level is low. Charge the battery.
[Directory] No Input Name	You do not edit Name of Directory. Edit Name.
[Directory] Directory is Full	The number of entries reaches the maximum. To add new entry, delete some entries in advance.
[Handy KeyLock] Handy KeyLock Enabled	Displayed when your phone is locked.
[Handy KeyLock] Handy KeyLock Disabled	Displayed when your phone is unlocked.
[Password Lock] PASSWORD Lock Enabled	Displayed when your phone is locked with password.
[Setting] X to Y is input	Entered value is out of range. Enter the value of X to Y.

• TROUBLES AND SUGGESTIONS

The following shows suggestions on how to resolve MH240 operation problems. Confirm the following before making a call:

- ✓ Is power ON?
- ✓ Is battery charged?
- ✓ Is Antenna icon (📶) displayed?

Symptom	Suggestion
Can not power on the phone…	- Press 📞 key and hold more than 2 seconds. - Insert the battery to your phone properly. - Charge the battery.
Can not operate keys on the phone…	- Unlock your phone if lock icon (🔒) is displayed. - Unlock your phone if "Handy KeyLock" is displayed.
Communication is lost, audio break-up occurs…	- Check the receiving signal strength. - Check the battery when ▢ is indicated. - Apart your phone more than 50cm from Access Point.
Can not see Antenna Icon (📶)…	- When you are in area where sufficient signal can not be obtain, move to other area. - SIP server registration is uncompleted. If this occurs, please contact your network administrator.
Can not sustain battery power…	- Insert the battery to your phone properly. - Place the battery on the proper position of your cradle. - Replace the battery.
Can not make or receive a call…	- Make sure that phone number of your phone. To change the phone number, please contact your network administrator.
The phone does not ring…	- When your phone is placed in courtesy mode, cancel it. Courtesy icon (♡) appears when your phone is in this mode. - Check ring volume and adjust except "Off".

4. SPECIFICATIONS

• TECHNICAL SPECIFICATIONS

The following shows the technical specifications of MH240.

Item	Specifications
Wireless Interface	IEEE802.11b/g
Codec	G.711, G.729a, Payload Size: 20 to 80 ms
Control Protocol	SIP (RFC3261), NEC Enhanced SIP
Authentication	IEEE802.1x (EAP-TLS, PEAP)
Encryption	WEP (64 bit / 128 bit), TKIP, AES
LCD	Monochrome LCD, 120 × 90 pixels
Main Feature	Call History, Directory, Speed Dial, Courtesy Mode
Ringer	Ring Tone : selectable from 16 kinds Ring Volume : selectable from 5 levels
Battery	Lithium Ion Battery, 3.7 V - 850 mAh
Battery Life	Talk Time : up to 3 hours Standby Time : up to 90 hours
AC Adapter	INPUT : AC 100 V to 120 V, 50/60 Hz, 0.3 A OUTPUT : DC 5 V, 1 A DC Plug : miniUSB (typeB) plug
Operation Temperature	0 to 35 °C
Operating Humidity	10 to 90 %
Dimension	135.0 × 48.0 × 17.6 mm
Weight	94.36 g
Certification and Compliance	CSA60950-1 FCC Part 15 Class B RSS-210 HAC

This page is for your notes.

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