



Wi-Fi MWP1100/MWP1100A

User's Manual



User Precaution

Please read the instruction carefully to protect yourself and others from personal injury or damage to property.

Departure Wi-Fi phone coverage cannot be used.
Discontinued the use of the Internet because of a power outage, such as when the phone call is impossible.

Precaution when installing

- Please avoid installing in excessively hot, cold, dusty or humid places or in locations with strong vibrations or exposed to direct sunlight.
- Because the phone generates heat when it operates, please do not install it in locations where heat resistance or durability is low.
- Please do not use a damaged cord or plug, or loose outlet to prevent fire or electric shock hazard.
- Please do not touch power outlet with wet hands. It can cause the electric shock.
- Please do not locate it on inclined places. It may inflict injury or break down by dropping.

Precaution when cleaning

- Please use dehydrated soft cloth when you clean the phone.
- Please do not use chemicals such as benzene, thinner or etc.
- Please wipe the power plug with dry cloth if it is wet or dusty. It may cause the fire or electric shock hazard.

Precaution when using

- Please do not touch the phone with wet hands.
- Please do not use the phone for any other purposes.
- Any damages due to unauthorized disassembly and intentional damages by users are not covered by the warranty.
- Please do not pull the power plug and adapter when you unplug it.
- When the phone makes any strange noise, smell or smoke, please unplug the adapter and cable immediately and contact with service center.
- Please do not locate the product on wet or dusty place.
- Please do not press the product or put heavy weigh on it.
- Please do not put dust or other materials inside of the product or charger.
- Please do not heat the product and do not place it in hot areas.
- Please do not place the product with magnetic objects such as magnet, TV, monitor or speaker.
- Please backup your valuable data.
- Phone and battery get a little heat up when doing long calls.
- Do not modify, disassemble or upgrade by other company's firmware the Product. Manufactor if there is a problem in the Product. Also, make sure to follow the warnings and Instructions. If you fail to follow any of the above instructions, no warranty service will be provided.

Precaution when using of battery

- Please don't use any other battery from other manufacturer. It can occur danger or damage to device.
- Swollen battery can be dangerous, so do not use.
- Use only the specified charger to charge.
- Away from children and pets do not bite or suck.
- Firearms or unlicensed radio products do not close.
- Do not drown or get wet battery.
- Keep inside a car during the summer, steam rooms, etc. in a place with high temperature and humidity, do not use it.
- Used for a long period of time, do not put it on the blankets, electric blanket, and carpet.
- Do not allow metallic objects to come into contact with the battery terminals.
- Do not disassemble, crush, penetrating act or the act of giving a nasty shock. There is a risk of explosion and electric shock.
- Exhausted batteries do not insert the fire incinerated or disposed of in accordance with the appropriate method.
- Battery is supplies. Which reason makes running time occasionally be shorten. If running time will be half of original. You should buy new one guaranteed time is 6 months after purchase.
- Please abstract the battery before turn off. (Unexpected turn off will be major cause of breakdown.)
- Please sufficiently charging by the cradle when you want to use the first time or, leave a long period of time without charging.

※ This wireless device may cause propagation interference, and so, it cannot be used for life-saving services.

FCC SAR Compliance Statement

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992.
 - National Council on Radiation Protection and Measurement (NCRP). Report 86.1986.
 - International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996.
 - Ministry of Health(Canada). Safety Code 6.
- The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phone employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

User Precaution

Warning

- This device shall be used indoors only in 5150~5250Mhz frequency range.
- This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 1.5cm must be maintained between the user's body and the headset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

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Extra Function

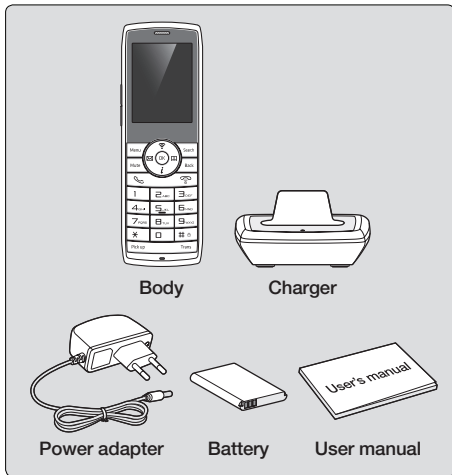
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Components

The components must be checked when the package is opened. Please contact the store where you purchased it if there are any missing items.



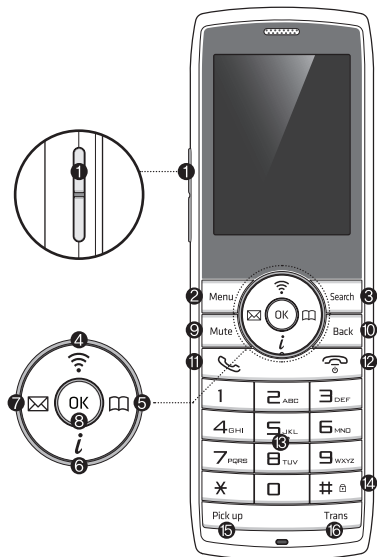
HD Voice Features

- To support HD Voice, High-end speakers and receivers are adopted.
- Implement HD Voice Clarity such as HD TV.
- High Voice quality is available than normal internet phone.



<Compare voice quality between General Phone and HD Voice>

About Phone



- 1 Volume** : Adjust the sound volume.
- 2 Menu** : Enter the menu.
- 3 Search** : Search the registered phone number.
- 4 Wireless line** : Find the Wi-Fi.
- 5 Phone book** : Move to phone book.
- 6 Additional channel** : Depends on service carrier's service.
- 7 Message** : Start to Message menu.
- 8 OK** : Select the item.
- 9 Mute** : Mute function on the call.
- 10 Back** : Cancel the select item or back to the before menu.
- 11 Call** : Using when you receive or end the call.
- 12 End** : Using to power on/off.
- 13 Number/Text** : Input the number or text.
- 14 #/Lock** : Press long [#] button to lock the key button.
- 15 Pick up** : Pick up the call from other phone.
- 16 Transfer** : Transfer to other phone.

LCD Status



Status Icon

Indicate the phone status. Please refer the detail contents.

Time, Date

Indicate the time and date information.

Left menu

Press the menu to run the menu.

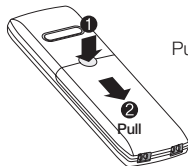
Right menu

Search the phone book to find contact.

| | |
|--|---|
| | Indicate the Wi-Fi signal strength. Strong signal Weak signal |
| | It is unavailable status of phone call function. |
| | It is available status of phone call function. |
| | It appears when you set the alarm. |
| | It appears unchecked message exist. |
| | It appears when you set the answer machine option. |
| | It appears phone is locked. |
| | Indicate the battery status. Whole charged Enough Shortage discharged |
| | It indicate battery is charging status. |

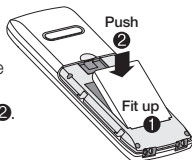
Insert the battery

When you first setting Wi-Fi phone, Please use the battery which included gift box. If you need exchange the battery, you have to contact service center to buy.

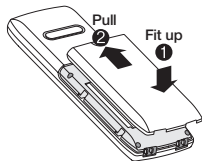


Push the battery cover to
① way as left picture, and pull ② way to separate.

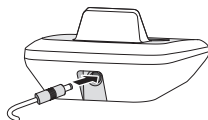
Adjust the battery charge access part to groove of
① and push the way of ②.



As left picture, insert the battery cover to ① direction and push the ② way with sounds clack.



Way to set the adapter



Connect the adapter provided with Rear connector.

Connect the charger plug into a power outlet.



As shown on the left picture, place the wi-fi phone on the charging cradle and charging starts.

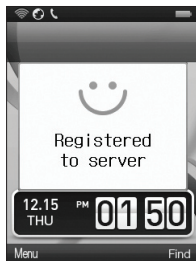
Tip

You can check the charging status with indicated  icon on the top display.

Way to register Wi-Fi device

Press the start/end button to power on.
Check the Wi-Fi status of AP.

Case of the connect automatically case.



If automatic connection fails

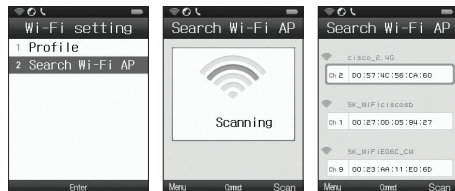
[Menu] → 8.Setting → 1.Wifi setting → 1.Profile
And check the registered profile list.

Register the device after select the desired profile.



If profile is not registered.











[Menu] → 8.Setting → 1.Wifi setting → 1.Profile
Check the WLAN list on the current searching.



After select the WLAN, click the [Menu] → 3.Add profile to add profile.


Again back to [Menu] → 8.Setting → 1.Wifi setting → 1.Profile and select the connect profile to register device.

Make a phone call and Hang up

| | |
|-----------------------|---|
| Input the call number |  Press the phone number  |
| Using Phone history |   Select the number on history  |
| Using phone book |   Search and select the desired number.  |
| Speed dial |  In standby mode, press and hold the last digit of speed dial.(Speed dial can be registered 00-99) |
| End call |  |

Answer a call

Answer call directly

- If answer way is set **Press the button** :
Press the any button to receive except  button, Back, volume button.
- If answer way is set to **Lift handy** :
Call is connected when Lift handy from the charging cradle.



Answer setting way is [Menu] → 3.Manage call → 3.Answer call.

Answer a call as outside function


If the condition which set outside function, It will notice the auto-answer or missed call via SMS.



Outside function is setting on [Menu] → 5.Accessories → 1. Outside function.

Call History

You can check the history of outgoing call, incoming call, Missed call. Total history can be saved 100.

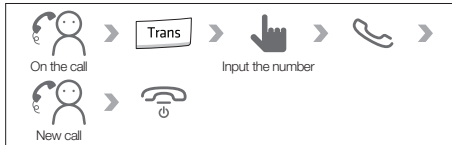
-  **Button** : Make a phone call as pressing number.
- **[OK] Button** : See detail contents.
- **[Menu]** : Send the message or save/delete the number.



You can confirm as [Menu] → 3.Managing call → 1. Call history.

Transfer Trans

You can transfer the call to other number or another phone in the same group.



Pick up Pick up

The function allows you to answer another ringing phone in the network.

You need contact the manager.

This function requires pickup code and group.

Mute Mute

Press **[Mute]** button during an ongoing call to mute your voice.

Adjust volume

On the waiting mode, Press **[Volume]** and click the button, You can adjust the button volume, bell, call, power on/off, alarm, message sound. Allow to adjust volume for 8 steps when you press the **[Volume]** button or .

Tip

■ **Adjust the volume on call** : You can adjust the voice volume on the phone call as press **[Volume]** button. Voice volume can be adjusted 8 steps.

Ring type

Allow you to find and change ringtones easily. Select the bell on the Real bell 10 kinds or Media bell 10 kinds.

[Menu] → **6.Select sound** → **1. Bell setting**

Phone Book

Search the contacts

You can make a call by a list of all numbers, name, phone number, group contact after selecting of number make a call to press **[call]**.

Phone Book

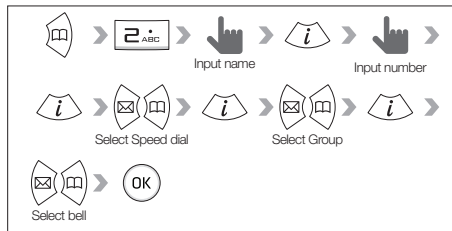
 → 1. Search the contacts → Select → 

Tip

Press the [Menu] on the list to delete, edit, send the message.

Register contact


You can register the contact as below picture.



Tip

- Contacts can be stored up to 500 and the maximum speed dials can be specified up to 100.
- You can select the phone number type and **[Search] button** is pressed when you input the phone number.





Tip

- Specifies the group can be set on the  → 3. Group management.
Add, Edit, Delete the group is available with Pressing the **[Menu] button**. Group can be registered up to 30.
- Register can be stored Press the **[OK] button** After Store the number in the standby mode.

CFA(Call Forwarding)

Allows to receive the call from another call.

■ **How to set** : [Menu] → 3.Call managing → 6.Accessories

→ 1.CFA Setting →   Select the setting →  →
Input the number to transfer → 

■ **How to clear** : [Menu] → 3.Call managing → 6.Accessories

→ 1.CFA Setting →   Clear the setting → 






Tip

If you select the transfer option in the accessories.
Allow to set the conditional options as no answer, on the call, unconditional etc.

Message

Allow to send and receive the message. Please ask to manager for service.


Write the message

 → 1. Write →  → input the number →  → select save mode →  → input the sender number → 

Tip

Press the [Menu] button on the receive number screen, you can use draft box save function.

Inbox

 → 2. Inbox

You can check the received, sent and draft message. Allow to use the deliver, save the number, delete function after Select the message and press the **[Menu] button**.

Spam Message

 → 3. Spam message

- **Register spam number** : Register the spam number up to 5.
- **Spam Inbox** : Check the spam message.
- **Setting** : Choose whether block the spam message or not.

Message setting

 → 4. Message setting

- **Arrival alarm interval** : Once, Two minutes interval, clear the alarm when message is received.
- **Setting alarm bell** : Select the message notification bell on the three choices.

Tip

It is available on the [Menu] → 4. Message

Accessories

















Outside function

[Menu] → 5.Accessories → 1.Outside function

- **Auto answer setting** : When you go out, you can set the auto answer and clear the auto answer.
- **Missed call SMS** : You can send the SMS to missed call number.














Morning call

You can set and clear the morning call.

- **How to set** : [Menu] → 5.Accessories → 2.Morning call →   Select setting →  Input time →  →   Select interval →  →   Select the repeat interval and times →  →   Select bell type → 
- **How to clear** : [Menu] → 5.Accessories → 2.Morning call →   Select Clear → 

Alarm

You can set and clear the alarm.

- **How to set** : [Menu] → 5.Accessories → 3.Alarm →   Select setting →  Input time →  →   Select interval →  →   Select bell type → 
- **How to clear** : [Menu] → 5.Accessories → 3. Alarm →   Select Clear → 

Tip

Press the **[Menu]** button to delete and add alarm

Accessories

Calculator

Direction or Ok button is works as operator on the displayed screen.

Press the [Back] button to delete one letter, Press the [Menu] button to delete all.

■ **How to set :** [Menu] → 5.Accessories → 4.Calculator

World time

You can check the world time and date via moving direction button to select major cities.

■ **How to set :** [Menu] → 5.Accessories → 5.World time

Display

Display setting

You can choose wall paper on the display.
There are 10 kinds of wall paper.

■ **How to set :** [Menu] → 7.Display → 1.Display setting →



Banner

You can put the desired phrase or phone number on the display.

■ **How to set :** [Menu] → 7.Display → 2.Banner →



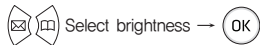
Select the color → OK

Display

Brightness

You can adjust the brightness on the display from 1 level to 10 level.

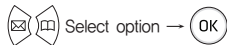
■ **How to set :** [Menu] → 7,Display → 3,Brightness →



Backlight

Allows to set the time after operation device.
You can select the choice among the 10 secs, 20 secs, 30 secs, 1 min, 3mins, always on.

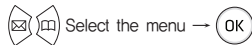
■ **How to set :** [Menu] → 7,Display → 4, Backlight →



Menu style

You can select the menu style between Rotate menu and Greed menu.

■ **How to set :** [Menu] → 7,Display → 5,Menu style →





Display

Clock/Calendar

You can put the desired time and date.



■ **How to set:** [Menu] → 7, Display → 6, Clock/Calendar

→  Select the time → 

Power ON/ OFF

You can select the power on/ off wall paper.

■ **How to set:** [Menu] → 7, Display → 7, Power ON/OFF

→  Select the display → 

Trouble shooting

Solution for simple issues / Following issues may occur although the phone is working correctly.

| Symptoms | How to solve |
|--|--|
| 1. The phone does not work. | The battery must be charged enough. Please charge the phone on the cradle to make sure positioned correctly. Enough battery charge after the power button is pressed, the phone do not work, remove the battery and then insert it again. |
| 2. Not registration. | Enough battery charge after the power button is pressed, the phone do not work, remove the battery and then insert it again |
| 3. Phone call status is too bad. | <ul style="list-style-type: none">- Check the distance AP device between the call locations is too far away.- Check a lot of obstacles, such as walls, or a severe local electromagnetic interference region.- Short distance calls location even in bad condition, please turned off the power and then turns it on again. If you feel small volume, call volume using the volume control on the side of the volume keys in moderation. |
| 4. The phone does not charge. | <ul style="list-style-type: none">- Make sure the other adapter is connected.- Please use the dedicated adapter provided with a phone.- Please make sure you clean the charging contacts on the charging cradle. Loose foreign material or moisture in the contacts with a soft, dry cloth, wipe Charge does not even cleaned Please contact the customer center for purchasing a new battery. |
| 5. Ringtone is too quiet. | [Menu] + [6.Sound] + [3.Adjust volume] buttons to adjust ringtone volume. |
| 6. Screen is too dark. | [Menu] +[7.Display] + [3.Brightness] buttons to adjust brightness of the screen. |
| 7. Text message service / Caller Information does not display. | Make sure to join the service. Please contact us. |
| 8. Battery usage time (waiting time) was shorter. | Battery is a consumable item and use time gradually decreases. |

○ Treatment before Disposal

Please follow the instructions when you dispose the product.



When disposing of the product, please contact the nearest local governments for proper treatment. Please dispose it in the right way that you are informed.

Please inform administration office if they provide free recycling service of the phone.

○ Warranty

The products which are produced and sold from Moimstone Co, Ltd are guaranteed for 12 months from the date you purchased if the products have been used in accordance with those specified in the documentation

• 12 months from the date of purchase

The products which failed in the production process are free exchanged or repaired from the store you purchased.

• After 12 months

After the warranty, the repair and exchange service are continually offered for ongoing products. Repair and transportation fees will be charged.

• Exceptions

- ① Lost or stolen
- ② Inadvertent damage of users
- ③ Abuse, misuse, and unauthorized repairs
- ④ Improper storage conditions
- ⑤ Natural Disasters

The warranty is based on Korean damage compensation law. According to the conditions of other countries, details can be changed.

Damage Compensation

Free of charge Free compensation services will be provided for manufacturer's defects or spontaneous failure within 12 months of warranty.

| Types of damage | | Compensation | | |
|--|--|---------------------------------|--------------------|--------------------------------------|
| | | Within warranty | After warranty | |
| Failures of performance and feature when the products have been used in the normal state | Major repair within 10 days from the purchase | Exchange or refund | N/A | |
| | Major repair within 1 months from the purchase | Exchange or free repair | | |
| | Damages occurred during shipping or installation | Exchange | | |
| | Exchanging product required major repair within 1month from exchanging date. | Refund | | |
| | The case of exchange is not possible | | | |
| | Repairable case | Same defect occurs 3times | Free repair | Repair with charge |
| | | Same defect occurs 4times | Exchange or refund | Repair with charge |
| | | Different defects occur 5times | | Repair with charge |
| | The case of the company loss the product customer request to repair. | Refund the price adding up | | |
| | The case of the company does not have parts of the product to repair within retention period | | | 10% of the amount after depreciation |
| | The case of the company has parts of the product but repair is impossible | | | Refund the amount after depreciation |
| | Impossible to repair | Pay fee for repair and exchange | | Refund the amount after depreciation |
| Impossible to repair | Free repair | | Repair with charge | |

Service with charge Please read the manual carefully. Service fee will be charged when you request non-broken product to fix.

Fault of users or failure due to mishandling

- The fault occurred by unauthorized repairs
- Intentional or negligent failures of users
- Failure of user's mishandling(Falling, flooding, excessive operating, etc)
- Damage due to using unauthorized part or accessory

In other cases

- Natural disasters
- End of life of consumable parts
- The product is installed in a different way with the one documented in manual.

H/W Specification

| Section | | Description |
|---------------|--------------|--|
| System | CPU | 240Mhz ARM9, 169Mhz TeakLite DSP |
| | FLASH MEMORY | 128MBYTE |
| | SDRAM MEMORY | 64MBYTE |
| | OS | Linux |
| | CODEC | Narrowband : G.711, G.729 Wideband : G.711.1_R2B, G.711.1_R3, G.722(Optional) |
| Protocol | Signaling | SIP : RFC3261, RFC2976, RFC3264, RFC3428, RFC3515 and related RFC draft standards. SRTP(Secure RTP), TLS |
| | QoS | IEEE802.1p DiffServ(RFC2475) |
| WiFi Module | RF Protocol | IEEE 802.11 a/b/g/n (CSMA/CA) |
| | RF Channel | 2.4G(13 Channel), 5G(19 Channel) |
| | Frequency | 2.4~2.4835GHz,5.15~5.25GHz, 5.25~5.35GHz,5.47~5.65GHz, 5.725~5.825GHz |
| | Modulation | 11b-DSSS: CCK, 11g /n-OFDM: QAM |
| | RF Power | 11b : ≥ 18dBm 11g : ≥ 18dBm at ≤ 18Mbps, ≥ 16dBm at 24&36Mbps, ≥ 14dBm at 48&54Mbps 11n : ≥ 18dBm at MCS0~2, ≥ 16dBm at MCS3~4, ≥ 14dBm at MCS5~7, |
| Display & KEY | LCD | 2.4inch, 65K, TFT QVGA, 240X320 pixels |
| | KEY Pad | Alphanumeric Key : 12, Function Key : 6, Send/End Key : 2 Navigation Key : 5 , Side Key(Up/Down) : 2 |
| Other | Talk Time | Over 3Hour |
| | Stanby Time | Over 50Hour(CSCF network, Beacon=100mS, DTIM=3) |

| | Section | Description |
|---------------|-----------------------|---|
| Specification | Charging Time | Below 6Hour |
| | Battery | Li-ion, 1100mAh, Inner pack type |
| | Input | AC100~240V, 50/60Hz |
| | Output | 5V/2A |
| | Dimensions | Handset: 155 × 51 × 16 Cradle: 100 × 84 × 46 |
| | Weight | Handset: 90g, Cradle: 30g |
| | Operating Temperature | -10°C ~ 50°C Ambient Temperature |
| | Humidity | 10 ~ 95%, Atmospheric Humidity |

· MWP1100 supported 802.11 b/g/n& 2.4G, 802.11 a/b/g/n on 5G band is supported only MWP1100A.

·Usual manual can be changed as IP Phone software version without any notice.

MWP-1100E-01(20130710)