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3rd Fl. Sungji 8D, Wolpyong1-Dong, Seo-Ku, Taejeon, 302-281 Korea
Tel +82 42 487 1117, Fax +82 42 487 9229, e-mail : openers@openers.co.kr

hanzoom™

900MHz cordless hands free mini phone



Technology
OPENERS

hanzoom™
Cordless Hands Free

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Thank you very much for purchasing
our product, Hanzoom WHF-7000.
Before operating the unit, please read
this manual thoroughly.



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Cautions



Do not expose to high temperature nor severe impact.



Do not connect other antenna to the base station.



Do not open voluntarily and refer service to the qualified personnel.



Remember to recharge the battery after the red light is turned on to avoid damage from overdischarging.

Unit Contents

Base station	1
Handset	1
Charging cable	1
Power adapter	1
Quick start guide	1
Warranty card	1
Registration card	1
Accessories	1

Features



Features

- The world's smallest cordless hands-free telephone with direct communication function
- The world's lightest cordless hands-free telephone with direct communication function
- Compact and smart design (Awarded a Grand Prize in the '99 Korea Industrial Design), various colors
- High-sensitive speaker and built-in microphone
- Volume adjustable up to 3 levels

Designations

Handset

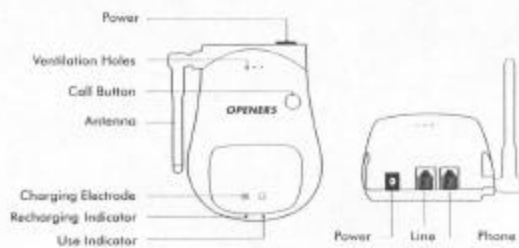


- Hook Button : To make and receive calls
- Flash Button : To transfer a call to another connection in the same PABX or DID switching system
- Redial Button : To redial the previous number
- Hold Button : To place a call on hold
- In-use Indicator : Green light on handset indicates that you are connected
- Low Battery Indicator : Red light is turned on when the battery needs recharging
- * (ASTERISK) Button : To change channels
- # (SHARP) Button : To adjust a receiving volume

Functions



Base station



Call Button : To page a handset that is away from the base station by playing a melody

In-use Indicator : Green light which is on in a normal condition, starts blinking to indicate a call and keep lighting during a call.

Recharging Indicator: The red color is on during recharging and doesn't change it's color though it was completed.

Functions

- Hands-free communication available on the move
- Highly sensitive microphone and speaker for direct communication without ear microphone or headset
- Automatic scanning function of 40 channels to avoid a call interference
- Dual hook switch on handset and headset
- Last number redial
- Hold button (Pressing hold button during a call plays music to the party on hold)
- Flash button to transfer a call
- Paging the handset when the handset is away from the base station
- Voice Volume adjustable
- Channel Selection against a call interference
- Pressing any key on handset enables you to receive a call.

Installation



Setup

1. Attach the battery to the handset.



Open the battery cover.



- Insert the battery connecting battery jack to inner socket. Melody will be played to indicate that it was properly located.



Replace the cover.
(To avoid possible damage,
it was made not to easily open.)

2. Connecting to the power and telephone line



- 1) Put a plug of DC 9V adapter into the outlet and connect the AC round jack to the 'power' in base station. (Then, green light is turned on after one second.)
- 2) Connect the phone line to telephone outlet and then the end of the line to 'Phone/Line' in the base station. (Another phone or Modem can be connected to the phone jack, but no communication security guaranteed in this case since voice can be heard in another connected phone during a call.)

Operation



Placing a call



Decide whether to use ear-microphone or not.
Connect an ear-microphone to earphone jack in handset for a hands free communication.



Remove an ear-microphone for a direct communication using built-in speaker and microphone in handset.



Press the hook button of handset or ear-microphone. (After green light is blinking in handset dial tone is heard in green light.)

Listen for a dial tone and dial the desired number.



End a call pressing hook button on handset or ear-microphone.
[Green light on handset is turned off accordingly.]

Receiving a call



Green light is blinking with playing a melody.



Press any button of handset or hook button of ear-microphone and start your conversation with the caller.



Green light indicates that you are connected.



End a call pressing hook button on handset or ear-microphone.

Information



Note

Make sure to press the hook button of the ear-microphone adequately.
(for about one second)
Red light of handset indicates the battery needs to be charged.
An irregular noise is heard when over-discharged (Recharge immediately).
Red light is turned on during recharging and keep going on after fully recharged.
Pay attention not to cover the microphone of handset with hand during a direct communication. (Hearing can be heard.)



Receiving Volume Adjustable

Press and hold # button for about 1.5 seconds.
Green light on handset starts blinking fast.
(It increases 1 level of receiving volume).
Receiving volume can be adjusted in this way up to 3 levels.
(Starting from level 1 and automatic set up in level 1 when using again.)



Channel Selection

Press and hold * button for about 1.5 seconds.
Green light on handset starts blinking fast.
Then move hand away from * button.
It is automatically transferred from a current channel to the new one without a call interference.



Power Sources

1. Put the handset with attached battery to the base station.
2. Check red light on the base station. (8~12 hours are recommendable.)
3. Red light keep being turned on until charging ends.

Before using for the first time, make sure to charge the battery more than 12 hours.

Repeating full charge (more than 12 hours) and full discharge use handset until the red light is turned on more than three times, it helps the battery last long. Frequent charging in use without full discharge may shorten its life. In case that the life of battery became short, repeat the same procedure. (full charge and full discharge)

Charging Error	Check Point	Remedy	Remarks
Call interference after Recharging	1. Check if the handset was properly put on the base station.	1. Reset the handset to the base station with correct direction.	Recharge the handset putting to the base station.
	2. Check if the power is being supplied to the base station.	2. Supply power to the base station with Adaptor.	

Troubleshooting



If you have a problem
Please check these points if you have a problem.

The handset doesn't work well

Symptom	Check Points	Remedy1	Remedy2	Remarks
Green light of handset keeps blinking or making or receiving a call doesn't work well.	1. Check if power is not firmly connected to the base station. (Green light should be turned on)	1. Supply the power to the base station connecting AC adaptor to the wall outlet.	(If Remedy1 doesn't work.) * Refer to 'Handset Reset'	If you still have a problem, require the product exchange where you have purchased.
	2. Check if green light of handset is blinking when pressing the hook button of it. (If not, or red light is on, check the battery recharging)	2. Recharge the battery.	(If Remedy2 above doesn't work.) * Refer to 'ID setting between handset and base station'	



Handset Reset

Press and hold hook button of handset for about three seconds until green light flashes.

(After reset, the handset may not be turned off.)

ID setting between handset and base station

1. Be sure to press and hold flash button, then press hook button.
2. Green light of handset is turned on (If the light is off or blinks, retry from No. 1 above in condition of light-off.)
3. Press the call button on the base station for about three seconds until red recharging indicator on the base station starts blinking.
4. If green light is turned off after a while (1 ~ 20 seconds), the handset and base station finished ID setting.

(If green light doesn't turned off, press the call button again.)

Melody can be played operating a paging function after the ID setting was completed.

Troubleshooting

• No Melody is heard when receiving a call

Symptom	Check Points	Remedy	Remarks
No Melody is heard when receiving a call.	1. Is telephone line connected to the base station firmly?	1. Connect telephone jack to the base station.	Check these Points and if you still have a problem, consult where you have purchased.
	2. Does green light of the base station blink when receiving a call?	2. Connect telephone jack to the base station.	
	3. Is power being supplied to the base station?	3. Supply power to the base station connecting AC adaptor to the wall outlet.	
	4. Is the battery needs recharging?	4. Recharge immediately if red light is turned on.	

• Noise is heard and call distance is short

Symptom	Check Points	Remedy	Remarks
Noise is heard during a call and available distance is short.	Any electronics or those may cause electric wave around you ?	Move the base station to another place.	Call distance depends on the electric wave circumstances around you.
	Was it installed in alright place ?		

Troubleshooting

- Standby time was decreased obviously

Symptom	Check Points	Remedy	Remarks
Standby time was decreased obviously.	Have you put your handset to the base station after the red light is turned on?	To be recovered, it needs recharging more than 12 hours.	Repeating full charge and full discharge over 3 times helps the battery keep a normal condition.
	Was recharging time enough?	Recharge the battery more than 8 hours.	

Specifications

Electrical /Physical Specifications

Frequency Range

For Europeans

Base Set Rx, Hand Set Tx : 914.0125 ~ 914.9875 MHz

Base Set Tx, Hand Set Rx : 959.0125 ~ 959.9875 MHz

For North American(US)

Base Set Rx, Hand Set Tx : 925.30 ~ 927.25 MHz

Base Set Tx, Hand Set Rx : 902.80 ~ 904.75 MHz

For Japanese

Base Set Rx, Hand Set Tx : 253.8625 ~ 254.9625 MHz

Base Set Tx, Hand Set Rx : 380.2125 ~ 381.3125 MHz

Transmit Output Power

For Europeans : 8.0 ~ 10.0 dBm

For North Americans : -2 dBm

For Japanese : 8.0 ~ 10.0 dBm

Spurious Transmission

For Europeans : -55 dBm max.

For North Americans : -54 dBm max.

For Japanese : -40 dBm max.

Adjacent Channel Selectivity

For Europeans : 51 dB min.

For North Americans : 45 dB min.

For Japanese : 53 dB min.

- Dimension (Handset) : 70.0mm(H) x 59.3 mm(W) x 28mm(D)

Channels : 40 (89 Chs. for Japanese)

Communication System : Full Duplex

Modulation System : Analog FM

Receiving Sensitivity : -110 dBm

Radiation Interference : -57 dBm

Talk Time : About 4 Hours

Standby Time : About 16 Hours

Weight (Handset, including battery)

For Japan and North American : 82g (Approx.)

For Other Countries : 90g (Approx.)

Applications



Honzoom is especially for

- Tellers in a bank processing document
- Housewives working with both hands at home
- Netizens in offices working on their computers
- People who want to communicate around their home or yard
- People who value their privacy
- Clerks or office workers on the move



Never put the unit on installation

- Airtight place by obstacle like wall
- Near equipment which produces a similar wave
- In direct sunlight
- Near heat sources such as radiators
- Exposed mechanical vibration or shock
- An ill-ventilated place
- Exposed excessive dust
- Exposed moisture or rain



