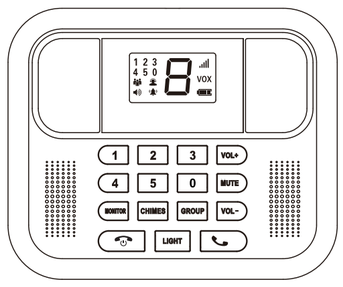
Wireless Digital Full-duplex Real-time Two-way Voice Intercom System UT-001 (UT-001F for FP/UT-001P for PP) User's Manual



Thank you for purchasing our product. Please read and keep this manual carefully.
Please feel free to contact us if you have any query.
✉ **Mail: unitalkstore@outlook.com**

About UniTalk

We have been committed to wireless technology research, innovation and development of excellent wireless products. We have a professional technical research and development team, pursuing product characteristics and customer experience, paying attention to every feedback and improving products in time to meet customer needs.

Product introductions

The wireless digital full-duplex real-time two-way voice intercom system with offline voice control for home and office use is to serve you perfectly wherever you are. This is an unprecedented indoor wireless intercom system product, it will bid farewell to the traditional use of intercom, perfect auto answer and hands-free function, and easy monitoring of children or the elderly to avoid emergency situations. The wireless intercom system uses the advanced Digital Enhanced Cordless Telecommunications (DECT) and the high-fidelity processing technology, sound quality is clear, avoid interference, and make your communication more stable and confidential.

Offline Voice Command Control- The offline voice command control does not require a connection to a WIFI network and is not limited by the usage environment. The biggest significance of offline voice command control is that it can completely free your hands and make it easy to operate. Suitable for people with limited mobility.

Automatic Answer- Usually, we use the intercom that we

need to press the call button on the intercom before making a call. The automatic answering function can answer automatically without pressing the answer button.

Audible and visual prompts- Incoming calls with sound and light prompts are more friendly for people with hearing or visual impairments.

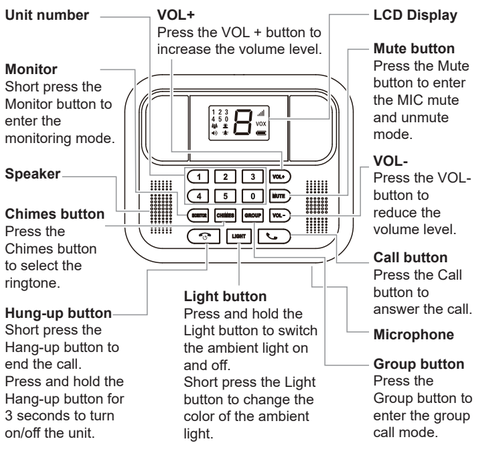
Group call- The Group call function that can support one to many calls at the same time.

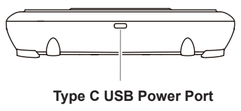
Monitor function- Easy monitoring of children or the elderly to avoid emergency situations.

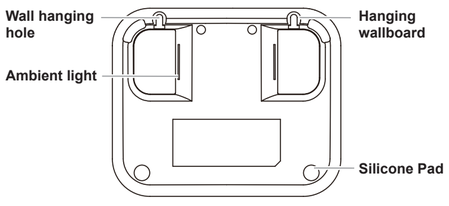
Long Distance Wireless- The wireless communication range between FP (Base) and PP unit can up to 1/4mile (400 Meters) in a clear or unobstructed space. If based on the FP (Base) unit as the center, the distance between PP and PP unit can be extended to 1/2mile (800 Meters).

Easy to Install & expandable- This system is plug and play that easy to install and expandable that can be set up within minutes.

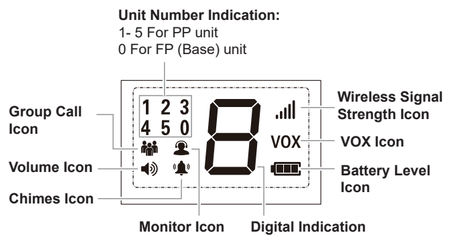
Overview







LCD Display



Standby Mode: LCD backlight is not lit
Active Mode: LCD displays Ice blue/Green backlight
Note: Ice blue backlight for FP (Base) unit
Green backlight for PP unit

Operating Instructions

1.Power On/Off
The intercom will power on automatically and the LCD screen will be lighted when the USB 5V is plug in.
Press and hold the ☎ (**Hang up**) for 3 seconds to turn on/off the intercom.

2.Set up the intercom
This intercom system is already paired before leaving the factory and users can plug and play it.
Note: If the user needs to add a new PP unit that must to be paired and registered on the FP (Base) unit before use.

a.How to identify FP (Base) unit and PP units?
Plug in the USB power and then turn on the intercom, The LCD backlight of the FP(Base) unit will display ice blue and the unit number defaults is 0. The LCD backlight of PP unit will display green and the unit number will be assigned to 1-5.

b.Paring method for registration on FP (Base) unit
Press and hold the **VOL+/VOL-** button on the FP and PP units respectively for 3 seconds to enter pairing mode, and the icon on LCD will flash. You can hear a successful pairing prompt tone, the system will automatically assign a unit number to the PP unit and the corresponding unit number will be displayed on the LCD.

Please record the unit number of each office / room as following to enable you to rapidly and accurately call others.

Channel	0	1	2	3	4	5
Category	FP (Base Unit)	PP	PP	PP	PP	PP
Device Location	Living Room	Dining Room	Bedroom	Kitchen	Garage	Study Room

3.Full duplex call mode (one-to-one)
a. If there are only 2 units (1 FP+1 PP), pressing the☎(**Call**) button can make the call directly.
b. If there are multiple devices, you can press the unit number of that you want to call to make a call directly.
c. When the called party intercom receives the incoming call signal, it will ring and the unit number of the incoming call will be flashing on the LCD screen. The unit will auto answer if the auto answer function is enabled (Default is enabled) or press the Call button to answer if the auto answer function is disabled.
d. If the auto answer function is disabled and you do not answer the call after ringing for 40 seconds, the intercom will exit and return to the standby mode automatically.
e. In the calling mode, either party presses the Hung-up button to end the call.

4.Group Call
The intercom has a Group call function that can support one to many calls, you just need to press the (**Group**) button to call all online stations at the same time.
Note: The Group call function can only support simultaneous talking between 5 units (1 FP + 4 PP units).

5.Monitor/VOX (Voice Operated Exchanged) Function
The intercom has a monitor function, which you can use for an elderly care and baby monitor. In order to improve the noise issue during monitoring that you can switch to VOX mode. If the VOX is turned on, as long as the microphone of the intercom detects a speaking sound, it will automatically turn on transmission, achieving "voice controlled" calls. When the microphone cannot hear sound, the speaker will be muted and will not disturb your rest.

First press the (**Monitor**) button enter the monitor mode and then press unit number 0-5 to specify the authorized devices allowed to be monitored. The icon of monitor on the LCD will illuminate to indicate this status.
For example, the PP unit (1#) is in the baby room and the FP unit (0#) is in the primary bedroom. In order to protect user privacy, if the parents want to monitor the sound of the baby room, they need to press the Monitor button on the PP unit (1#) in the baby room and then select the unit number with 0(FP unit), and then they can monitor the sound of the baby room in the primary bedroom. If you want to switch to VOX mode during monitoring mode, you only need to press and hold the Monitor button on the FP unit for 3 seconds to enter the VOX mode and the VOX icon on the LCD will light up.
Note: This monitoring function can work continuously.

6.Volume Level Control
Press the **VOL+/VOL-** button to adjust the volume level of the ringing tone in standby mode.
Press the **VOL+/VOL-** button to change the volume level of call in the calling mode.

Noted: There are 6 levels of volume control, 1 is the minimum, 6 is the maximum.

7.Auto Answer Setting
The auto answer function is enabled by default that can completely free your hands to realize full-duplex real-time hands-free call. The recipient does not need to press the Call button to answer the call, the intercom will answer automatically after three rings.
a. Press and hold the **VOL-** button for 3 second to disable the auto answer function that you can head a voice prompt with auto answer turned off.
b. Press and hold the **VOL-** button for 3 second again to enable the auto answer function that you can head a voice prompt with auto answer turned on.

8.Howling Detect
There will produce a whistling sound when two intercoms are in close proximity during a conversation, so the intercom has a built-in the howling detect function that it will temporarily mute the output of speaker for 5 seconds after detecting howling to avoid the whistling sound, there will display a flashing "H" on the LCD at the same time. The howling detect function is enabled by default, you can press and hold the VOL+ button for 3 seconds to turn on/off the function and there will be a prompt sound with howling detect turned on/off.

9.Chimes Selection
Press the **Chimes** button to change the ringtone between 0-9 that you want to specify your preferred ringtone.
Note: This intercom has built-in 10 chimes that you can to choose from.

10.Mic Mute function
Short press the **MUTE** button in calling mode to enter MIC mute mode. Press the Mute button again to unmute.
Note: An icon with U will be displayed on the LCD and the backlight of LCD will flash when the microphone is muted.

11.Ambience light setting
Press and hold the **Light** button to turn on/off the ambience light.
Short press the Light button to change the color of the ambience light from Green → Ice blue → Blue → Purple → Red → Emerald green.
Note: In order to save power and extend battery life, the ambient light is turned off by default.

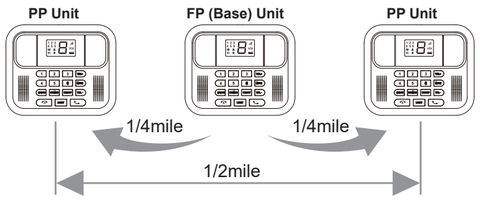
12.Charging and Low battery prompt (For battery version only)
Charge indicator
During the charging process, the battery symbol is displayed in a cyclic manner.
After being fully charged, the battery symbol stops cycling.
Low Battery indicator
The battery symbol on the LCD flashes and emits a low battery prompt sound.
Please charge in a timely manner, otherwise it will automatically shut down.

13.Offline Voice Control
This intercom is equipped with an offline voice recognition chip and you can control this unit with voice commands, which can completely free up your hands and be more friendly to people with limited mobility.

First you need to say the wake-up word with Hi UniTalk to wake up the unit and then say the command word to execute the corresponding function.
Please refer to below voice command for details.

No	Command Words	Function Type	Playback Sentence
1	HI-UniTalk	Wake word	Hi, how can I help you?
2	CALL-UNIT-ONE	Command word	Calling unit one
3	CALL-UNIT -TWO	Command word	Calling unit two
4	CALL-UNIT -THREE	Command word	Calling unit three
5	CALL-UNIT -FOUR	Command word	Calling unit four
6	CALL-UNIT -FIVE	Command word	Calling unit five
7	CALL-BASE-UNIT	Command word	Calling base unit
8	MONITOR-UNIT -ONE	Command word	Start Monitoring unit one
9	MONITOR-UNIT -TWO	Command word	Start Monitoring unit two
10	MONITOR-UNIT -THREE	Command word	Start Monitoring unit three
11	MONITOR-UNIT -FOUR	Command word	Start Monitoring unit four
12	MONITOR-UNIT -FIVE	Command word	Start Monitoring unit five
13	MONITOR-BASE-UNIT	Command word	Start Monitoring base unit
14	GROUP-CALL	Command word	Start Group call
15	LIGHT-ON	Command word	Light turned on
16	LIGHT-OFF	Command word	Light turned off
17	VOLUME-UP	Command word	Volume turned up
18	VOLUME-DOWN	Command word	Volume turned down
19	MAXIMUM-VOLUME	Command word	Volume at maximum
20	MINIMUM-VOLUME	Command word	Volume at minimum
21	POWER-OFF	Command word	Power is off
22		Welcoming speech	Welcome to UniTalk, please say Hi UniTalk to wake me up.
23		Resting language	Honey, I'm resting now.

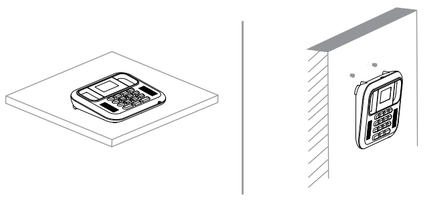
14.Wireless Transmission Distance Expansion
The wireless communication range between FP and PP unit can up to 1/4mile (400 Meters) in a clear or unobstructed space. If based on the FP (Base) unit as the center, the distance between PP and PP unit can be extended to 1/2mile (800 Meters).



15.Clear pairing records on the FP (Base) unit
Press and hold the VOL+/VOL- on the FP(Base) unit at the same time for 3 seconds and then press the MUTE button continuously 7 times to clear pairing records.
Note: If you want to continue using it, you need to refer to the previous Set up the intercom section to re-pair it.

How to installation the intercom

a.Place on the desktop b.Hang on the wall



Technical Parameters

Model No.: UT-001

Power Supply:DC 5V/1A Input with 6 feet (1.8 meters) USB Type C cable.

Built in Battery (For Battery Version only):
3.7V/2000mAh for FP（Base）Unit
3.7V/1200mAh for PP Unit

Battery Life: Can talk continuously for 14 hours (For Battery Version only)

Wireless Transmission Distance: The distance between FP(Base) and PP unit is ≥1/4 mile(400 Meters) in a clear or unobstructed space.
Note: The distance between PP and PP can be extended to 1/2mile (800 Meters) if the FP(Base) unit is placed in the center position.

Work Frequency:
1921.536MHz-1928.448MHz for US

Work Temperature:
-4 °F to 140 °F(-20 °C to +60 °C) for working
32°F to 113 °F (0 °C to +45 °C) for battery charging

Troubleshooting

1)The intercom can't power on
a.Check if the USB cable is connected correctly. Or replace another USB cable for testing. It can help us understand whether the problem is on USB cable or the intercom.
b.Check if the battery is fully charged. (For Battery Version Only)
c.If the problem has not been improved, please contact us to obtain our technical support or replace the faulty unit.

2)Cannot talk to another intercom
a.Please refer to the operating instructions → Set up the intercom to make sure the both intercoms are paired properly.
b.Please check the signal strength indicators on the LCDs of both units to confirm if the distance between the two units exceeds the range of use.
c.If the problem has not been improved, please contact us to obtain our technical support or replace the faulty unit.

3)Talk sound is too low
a.Make sure the volume level of intercom has been set to

the maximum.
b.Try to be close to the position of MIC during talk.

4)There was a howl or static noise during the call
a.Maybe the intercoms are too close to each other, please try move away the distance between two intercoms, or move one intercom to another room to eliminate audio self-excitation.
b.Some electrical equipment will also interfere with the intercom to cause the static noise. E.g. Microwave Oven, Cell phone or other radio devices, please try to adjust the position to move away from these interference sources.

5)The system is not getting expected transmission range
a.Ensure that all intercoms are installed away from metal obstacles and other electrical equipment interference.
b.Please check the signal strength indicators on the LCDs of both intercoms and then try to adjust the placement of the intercom in order to obtain better reception and transmission.
c.If the problem has not been improved, please contact us to obtain our technical support or replace the faulty unit.

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

SAR Information Statement

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (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 standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. 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 phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use on the body, as described in this user guide, is **0.216W/Kg**(Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RFexposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/ oet/fccid after searching on
FCC ID:2BQFX-UT001Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Asso-ciation (CTIA) web-site at http://www.wow-com.com. * In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a sub-stantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the handset, 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. Use only the supplied or an approved antenna.