Multi-Channel Long-Range FM Wireless Intercom System
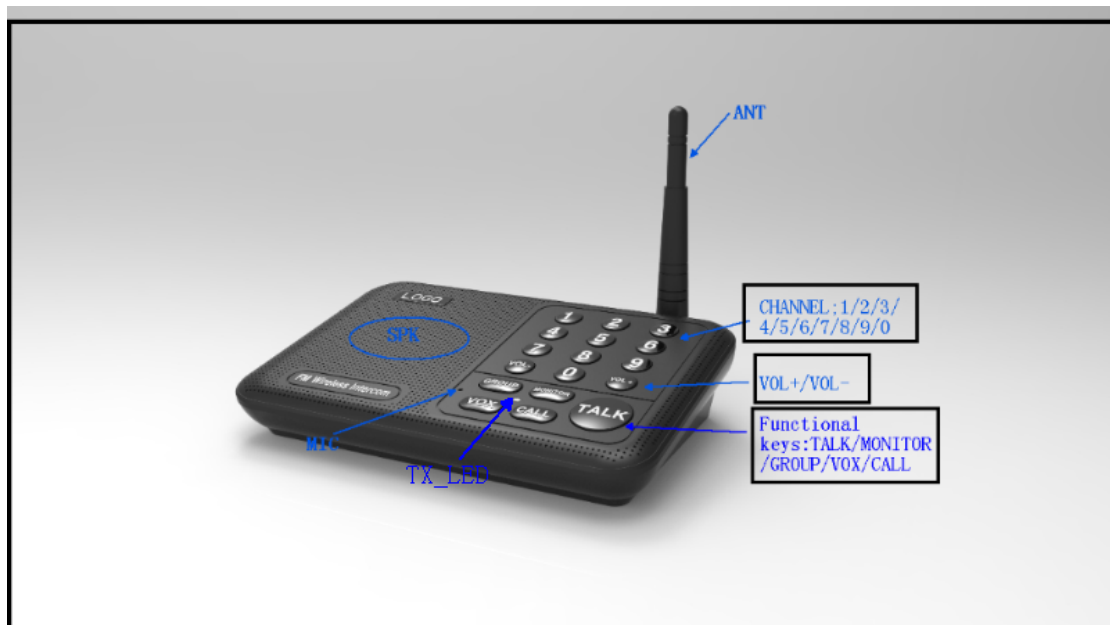
MODEL:LD-666;WL-666

USER MANUAL

We have always been relentlessly improving our professional level and studying new technologies to provide trustworthy products and service for the clients, and to become the real solution provider for wireless intercom. We pursue winning your trust via fine reputation and excellent quality.

We always deliver goods against high standard. However, defects are inevitable due to transport or some other force majeure factors. If you find any problem, please contact us in the first time, and we will give prompt attention and satisfying solution.

If you have any question in installation or using, please contact us directly, and we will arrange a technical service specialist to provide you with professional direction until you are completely familiar with use method of the product.

DESCRIPTION OF DEVICE FUNCTIONS

I. Device Features

The standard signal scope is 1800 feet(600M). The concrete scope is determined by the environment where the device is located. The receiving distance is farther in open field, up to 1-3KM, while the scope may be narrow in dense cities or places with dense hindrances. Please make adjustment and test according to concrete environment in actual use. The device placed near window or open field has stronger receiving capacity.

1.ANT (antennae): Receiving and emitting FM wireless signal

2.MIC: Talk to MIC 5-10cm away from it with normal volume to talk.

3.DC+5V power socket: DC power interface, with rated current being 5V 1A.

4.DIGITAL CODE（A/B/C）：It can reduce external interference by changing different digital code. Note: CODE keys are on the back of device and beside power socket.

5.0-9 channel number: This is used to set channel of device, and you need set channel as the same with the device which you want to talk with. Which channel number lights blue indicate the channel number of the device.

6.VOL+/VOL-:increase or decrease volume,you can set comfortable voice by VOL+/VOL-.

7.GROUP（Group-Call Function）:This is used to talk with all devices in the intercom system, even the device in different channel code.

8.CALL: This is used to call the device with the same channel code.

9.VOX （Voice Operated Exchange）:When you set VOX function in one device,the voice information will automatically send to other device with same channel code.It will work all the time.

10.TALK：Press this key and indicator becomes red. After talking, release the key, and indicator becomes OFF, the voice information is be sent out.

II. Description of Starting

The AC adapter need pass the UL Certified , with voltage range is 100V-240V and current is 5V DC/1A.

After power adapter is connected to power source, insert the power line to the device. The device will make a "Du" sound, and channel 1 will be light blue. The device has been successfully started.

Factory default channel code is **channel 1 code A**.

The device default volume is 5 level.the device total has 8 levels.

III. Volume Adjustment

The volume range is 1-8 level. The default volume is 5 level.

Press VOL+ to increase volume and VOL- to decrease volume. "Di" cue tone meets the volume reaches the highest or lowest. The user is recommended to

adjust volume based on ambience.

IV. Channel Code Setting

1.The wireless intercom device's channel is 0-9. Digital code is: A, B, C. The default setting is channel 1 code A.

2.To change channel number, select channel number and long press for 3 second, and "Bi" cue tone is emitted, the channel number light becomes blue, indicative of setting success.

If press channel number short time ,less 3 second ,and not sound a "Bi" cue tone,the channel number will be change back to the previous channel after 1 minute.

3、Switch channel: temporary channel and lock channel

Temporary channel: For example: the default channel is channel 1 after the device starting, now press channel number 4, and the channel 4 becomes blue meaning channel 4 temporary channel is made. you can talk with other device which is channel 4. Yet after communication, the device will automatically change back to channel 1 after 1 minute.

Lock channel: select channel number and long press for 3 second, a "Bi" cue tone is emitted, indicating the channel is locked.

The default channel number will become the locked channel after starting each time.

REASONABLY SET CHANNEL CODE:

Affect the cause of the signal

1.As the device communicates via FM wireless signal, which is public to the society, the channel code sometimes repeats with channel code of other brands.

2.The FM wireless signal is influenced by many factors. when the interference signal on a channel interference is strong, the device will be issued 'Zizi' or other sound, Dialogue sound quality will be affected.

NOTE:

1.The user shall select appropriate channel code. Different channel code can be set via different digital code for the same channel. Code setting: The interference can be reduced by setting different code.

2.The noise, harsh or unclear sound due to interference by interfering signal is not caused by device quality but is due to surrounding interfering signal. In such situation, please change channel code to avoid interfering signal.

3.The device channel code shall be the same with that of the device communicated with.

Example:

Channel number: CHANNEL 1/2/3/4/5/6/7/8/9/0,

Digital Code:A/B/C

1.: If the device channel code is channel 1 code A, and you find device interfered by external signal and emit noise or unwanted dialogue, it shall be first adjusted by changing digital code, i.e. change all code A of all device into code B (Note: All Equipment), then test. If there still exists interference, please continue to change digital code.

2. If all codes for one channel are interfered by unknown external noise and sound, please change channel and continue to test and adjust. If channel 1 and code A/B/C all suffer from external interference, please change channel number to channel 2 and continue to adjust and test until a proper channel code is selected.

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FRS DIGITAL FREQUENCY

CHANNEL	FREQUENC	CODE
CH1	462.7250MHz	CODE A: 754N CODE B: 743N CODE C: 734N
CH2	462.5875MHz	
CH3	462.6125MHz	
CH4	462.6375MHz	
CH5	462.6625MHz	
CH6	462.6875MHz	
CH7	462.7125MHz	
CH8	467.5625MHz	
CH9	467.5875MHz	
CH0	467.6125MHz	
GROUP	462.7000MHz	CODE:743N

HOW TO USE WIRELESS INTERCOM

I. TALK:

Step 1: After receiving the call signal from another equipment, the equipment emits a series of ringing. Press TALK key to start emitting and the light become red, talk to MIC 5-10cm away from it with normal volume. After speaking, release TALK key. The another device with the same channel code receives the sound. Release TALK key after speaking and wait for reply.

Step 2: After receiving the reply, if you want to continue to talk, just continue to press TALK key to start emitting, continue to talk, then release TALK key to emit the speech to another equipment.

Note:

1.The intercom system is the same-frequency simplex system, which does not receive message when TALK is pressed to emit, and can not receive when TALK key is pressed in receiving.

2.TALK: It is provided with TOT function (Time out Timer), i.e. the device automatically exits emit mode after emitting for 1 minute, which is to say, the time for each talking shall not be longer than 1minute.

3.One piece of device can only talk with the same channel code at the same time node. If the channel code for multiple pieces of device are the same, these device can all receive voice information.

4.When talk ends, the channel code of calling device automatically change to the originally set channel code after 1 minute. For example, if the previous channel code is channel 1 code A, the device's channel code will automatically change to channel 1 code A 1 minute after talk ends.

Ⅱ．CALL

Please call another device by following steps

1.Step 1: Confirm the calling device's channel code is the same with that of the to-be-called device. If the to-be-called device is in channel 4 code B, you shall set the calling device's code as channel 4 code B.

2.Step 2: Press CALL key and the talk cue indicator turns red. The calling device emits a series of ringing, and the device with the same channel code receives a series of ringing that prompts reply to the calling equipment.

3.Step 3: When receiving the reply from other device, press TALK key to talk to MIC with normal volume. After speaking, release TALK key to send the speech to the another device.

Similarly: To call another device, first confirm the channel code of calling and to-be-called device are the same, then follow above steps. For example: If the calling device is in channel 1 code A, while the to-be-called device is in channel 7 code B, first set the calling device's channel code as channel 7 code B, then press CALL key to call.

NOTE: When talk end, the channel code of calling device automatically change to the originally channel code after 1 minute. For example, if the previous channel code is channel 1 code A, the device's channel code will automatically change to channel 1 code A 1 minute after talk end.

Ⅲ.VOX （**Voice Operated Exchange**）

VOX: Press VOX key and channel number indicator flashes to prompt that currently the VOX state is enabled. Talk to MIC or surroundings to activate starting and emitting with sound, the emitting indicator becomes red, the sound content will be sent to the device with the same channel code. There is a time lag of 2 second after speaking.

It will work 24 hours per day.Press any key to cancel VOX function.

IV. MONITOR

MONITOR: Put the equipment in the to-be-monitored place, press MONITOR key and the equipment goes into state of emitting. The monitor time is 10 hours only.

Description:

1.The MONIOTOR function is similar to VOX sound control and TALK function, that is to set the device as always in emitting state but not need to press TALK key to automatically emit the received speech content.

2.Use range: It can be placed in room needing to be monitored emphatically, such as kindergarten, baby's room, game room, the elder's room, ward, etc.

3.When you press MINITOR key, the emit indicator becomes red, indicative of setting success, then the device will be monitored by another device with the same channel code.

4.Use method: For example, to monitor a baby's room, just put the equipment in the baby's room, press MONITOR key, then you can monitor it in another room via the device with the same channel code.

5.The MONITOR will automatically terminate 10 hours later, so a knowledge of the starting time you set is more favorable for your monitoring.

6.The TALK key indicator on the device receiving monitored voice will turn red when receiving the voice, meaning voice is transmitting.

V:GROUP（Group-Call Function）

Step 1: Press GROUP key, and the whole intercom system can receive the voice message no matter what channel code of the device is in. When the device is receiving group-call signal, all the channel number indicators of equipment flash.

Step 2:When other equipment reply, press GROUP key and talk with normal volume.After talking,then release the key,the speech will be   send out.

Note: The group-call function entails to press GROUP key for talking to establish group-call instead of pressing TALK key.

SET CHANNEL CODE

Please set different channel codes for different device by following steps, then these different devices within a wireless intercom system can talk with others.

Example: If you want to set your device as in channel 2 (General Manager Room)

Step 1: Connect power and start, the device emits a starting cue tone of "Du", the factory default channel code is channel 1 code A, then the channel 1 light turns blue.

Step 2: Long press channel 2 for 3 second, when hear a cue tone of "Bi", channel 2 light turns blue, then release the key. The channel 2 light turns blue, meaning the device has been set as channel 2. This also means the equipment in the general manager's room is in channel 2.

Step 3: If you need to place the device in other offices and set channel, such as setting financial department as in channel 3, HR department as in channel 4, sales department as in channel 5, please follow above step 1 and step 2.

Note:

1.If you desire to talk with all equipment at the same time, please set the came channel code of all device or use GROUP function.

2.To communicate with a single piece of device, just set the device as different channel code, i.e. set channel code in all office/room as different.

3.When the calling device calls another device, the called device cannot recognize the calling device's channel code, so please first indicate the channel code of device, i.e. your identity when calling another device.

4.Please keep digital code consistent in setting channels, for example: all equipment uses code A or code B, and please record the channel code of each office/room, to enable you to rapidly and accurately call others.

Channel:	2	3	4	5
Code:	A	A	A	A
Device Location	General Manager Room	Financial Department	HR Department	Sales Department

Connect Device of Other Brands:

If the device's channel code of other brands is the same with any channel code of our device, you can connect it for talking via the same channel code by adding the device of other brands into our wireless intercom system.

Installation description:

1.The wire length for adapter is 6 feet (1.8M), and you can place the device in any place that can connect to power to move and use it conveniently.

2.On the back of device is arranged hook hole to fix the device on wall, table and kitchen, etc.

3.The equipment's receiving power is 5V 1A. So if you needed, you can start the device via power bank, then the device can be take out, which largely extends the use scope of device.

4.Please directly email us if any question.

Troubleshooting Guide

Problem	Possible Solution
Channel Button (Power indicator) does not light.	-Check the AC power cord; is it connected properly?
Cannot receive response.	-Is intercom set to designated channel? -Release TALK when not talking. -If the intercom is monitor pressing TALK or CALL. -Press the Vol+ increase sound level.
Cannot talk to other intercom.	-Are both intercoms set to the same channel? -Wait until other user has finished talking.
Strong, continuous "beep" sound.	-Move intercoms further apart to eliminate audio feedback.
Unit doesn't work.	-Try units in a different location. If the units work in different location but not in your home, there is a problem with your home concrete wall.
Static noise or cannot communicate.	-All unit should be set to the same channel code -Change locations by using Power Bank, moving to other locations for better reception and transmission. -change channel code

Specifications are typical; individual units might vary.

Specifications are subject to change and improvement without notice.

THE FCC WANTS YOU KNOW

Your intercom might cause TV or radio interence even when it is operating properly.To determine whether you   intercom is causing the interferenc turn off the staions,if the interferenc goes away,your intercom is causing the interference. try to eliminate the interference by:

1   Moving your station away from the receiver.

2   connecting your stations to an outlet that is on a different electrical circuit from the receiver.

if you cannot eliminate the interference ,the FCC requires that you stop using your intercom.

WARNING: 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Important: Do ont hold down CALL for more than 10 seconds.the fcc dose not allow you to send a continuous tone for more than 10 seconds at a time on FRS frequencies.

Warranty

1.The equipment in regular service enjoys a one-year warranty.

2.We will provide you a perfect solution for any quality problem within warranty time.

3.We will also provide a solution in case of quality problem outside warranty time to maintain your benefit.

4.We will place your benefit as top considerstion in the whole transaction and use course.

5.Contact mode:E-MAIL

Acknowledgement

Thank you for choosing us. We hope you can have a nice shopping experience and use the equipment with satisfaction. Please contact us if any question, and we will contact you within 12 hours for prompt attention.

If you think our product is of high quality and up to your expectation, please comment us. Your favorable comment is the power for our improvement.