Xepton NX-900 TRX User Manual

Contents

1. Features

Headset external input (Aux)

power/charge LED

LCD

Down button

UP button

Mode button

Talk button

Power (On-Off)

USB (Program download)

1. Button Function

button	Action and Function
Power switch	Upward: Power ON Down: Power OFF
Talk button	Long press: Activate/deactivate TALK function
Mode button	Setting/changing channel (CE), ID, side tone, transmit/receive mode, microphone level
Up button	Increase the setting value in each mode such as volume (Vol), channel (CE), ID, etc.
Down button	Adjust the setting value downward in each mode such as volume (Vol), channel (CD), ID, etc.

The wireless intercom can check the current setting status through the compact LCD window in the center.

Setting is available in setting mode. [next page]
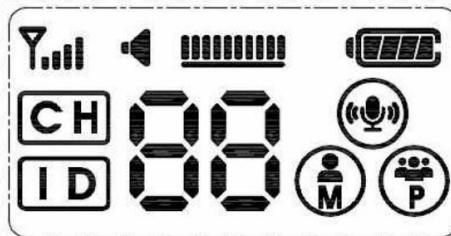
1.   : Displays wireless connection status (connected: antenna displayed / not connected: antenna not displayed)

2.   : Volume status – initial screen when power is turned on

3.   : Battery level display

4.   : Master indication (ID 00 of each channel indicates MATERER (setting method is on the next page)

5.   : TALK display (TALK enabled: displayed / disabled: not displayed)

6.   : Display channel

7.   : ID display

8.   : Level display **–** CH, ID, SIDE TONE ON/OFF, microphone output level display

3. ID setting / TALK button function

The wireless intercom system has an ID setting function, so the user can directly change the ID

can be used. In the same channel, IDs must be set so that they do not overlap each other,

There must be a master device with ID "00".

v How to set ID

Turn off the terminal.
Press and hold the MODE button to enter the setting mode. (The channel change mode blinks.)
In setting mode, press the MODE button briefly to move to the ID setting change window.
[ID characters blink.]
Press the UP/DOWN button to set the desired ID. (Set according to the two Vers below.)

ID can be set up to 00 ~ 02.
- If the ID is 00, it is set as Master.
- In case of ID 01 ~ 02, set each as Slave. **(cannot be duplicated)**
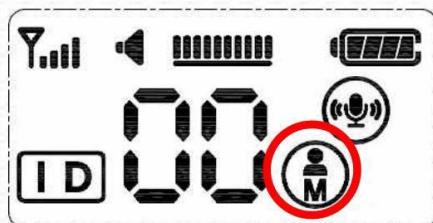
Display content when setting Master (M)　　　　Display contents when setting Slave
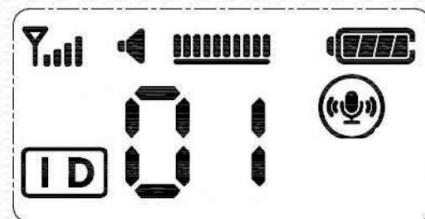
How to set v Talk

The wireless intercom can perform two-way communication using the TALK function.

1. When the power is turned on, the MASTER (ID 00) terminal immediately activates the TALK function,

   You can send right away.

   - Talk function hold: Press and hold the Talk key on the device to hold the talk function (microphone not displayed)
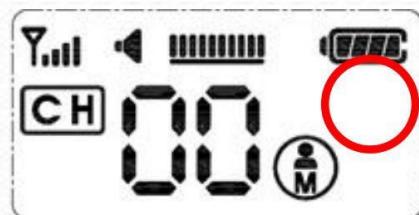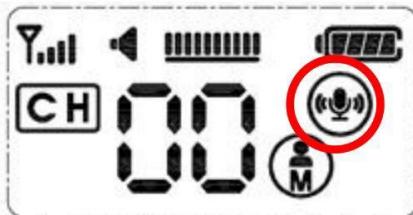
   - Activate Talk function: Press and hold the Talk key on the device to activate the Talk function (microphone display)

2. Slave (ID : 01~02)

   - The Talk function is disabled when the slave terminal is first powered on.

   - You can transmit voice by pressing and holding the Talk button to activate the Talk function.

   - If you do not need voice transmission, press and hold the Talk button to deactivate it.

   - Simultaneous Talk function can be used up to 3 units including the MASTER terminal.

   - 1 MASTER can use the Talk function fixedly, and 2 of the Slave setting terminals

     You can use the Talk function alternately.

   - When two slave devices are using the Talk function, the other slave device uses the Talk function.

     When pressed, the Talk function of the terminal that used the Talk function is released first, and a new

     The terminal will use the Talk function sequentially.

When TALK is activated, the microphone mark is displayed on the LCD window, and when TALK is not activated, the mark is disappeared.

4. Volume setting function

The wireless intercom system has a volume setting function, so the user can directly change the volume

can be used.

v Volume setting method

When the power of the terminal is turned on, the volume status is displayed at the top of the LCD window. (see photo below)

Press the UP/DOWN button on the front of the single-action unit to set the desired volume.

Volume can be set from 0 to 5. [Set as default volume when power is turned on/off.]
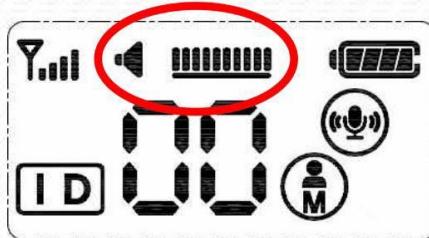
Caution: If you turn the power off / on, it will return to the default volume.

5. Microphone input level setting function

The wireless intercom system can be used by adjusting the MIC input level value.

v How to set the microphone input level

Turn off the terminal.

Press and hold the MODE button to enter the setting mode. When the channel change mode is

blinking, press the MODE button 3 times briefly for ID – SO – C1 (microphone level setting window).

The C value blinks.

Press the UP/DOWN button to select a desired value from C1 to C5.

After completing the setting, if you press the mode button for a long time or do not operate the button for 3 seconds,

It is automatically saved.

Caution: If the C level is high, it may cause noise on the other side.

The wireless intercom system has a side tone [own voice monitoring] function, so the user can use it by changing the active / inactive setting.

v How to set

Turn off the terminal.

Press and hold the MODE button to enter the setting mode. When the channel change mode is blinking, press the MODE

button twice briefly to move to ID – SO (Side tone) setting window). [SO or SF value blinks]

Press the UP/DOWN button to select the desired SO / SF value.
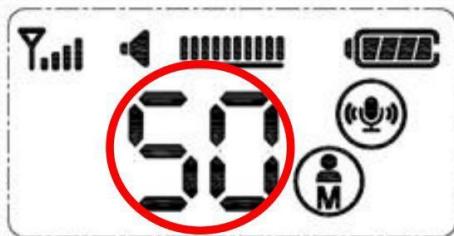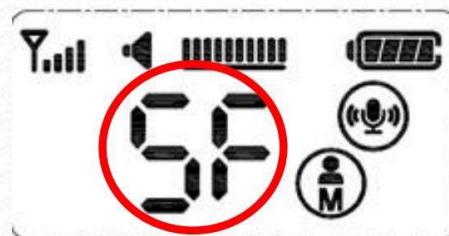
Side Tone ON   Side Tone OFF

After completing the setting, if you press the mode button for a long time or do not operate the button for 3 seconds,

it is automatically saved.

ITEM	SPECIFICATION
Radio Frequency Type	902.5 MHz to 927 MHz
Radio Interface	GFSK Modulation
Tx Max Output Power	10mW
Rx Sensitivity	-95dBm
Num. of Frequency Channel	50 Ch
Channel Spacing	500 kHz
Freq. Bandwidth	250 kHz
Battery	Li-ion Battery @3.7V/TBD 1100mA
Antenna	Internal Chip Antenna
Talk Time for Microphone	10hr Typ.
Distance Range (LOS)	100M LOS
Frequency response	50 Hz to 8 kHz

**The label can be found by removing the battery cover and battery

Manufacturer Information :

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FCC Compliance Statement

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.
Modifications: Any modifications made to this device that are not approved by Maytel may void the authority granted to the user by the FCC to operate this equipment.
Sample wording: This equipment complies with FCC RF exposure requirements set forth in an uncontrolled environment and can be used without any restriction.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures."

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.