Vertex Standard

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Vertex Standard

EVX–LRX

User's Manual
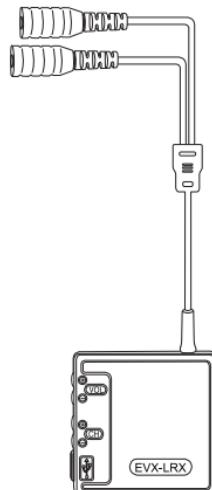
PROGRAMMABLE FUNCTIONS/FEATURES

- 16 Channels
- Scan
- CTCSS/DCS ENCODE/DECODE
- All Call
- Group Call
- Private Call
- Key Lock
- RX Detail Setting

INTRODUCTION:

The EVX-LRX is full-featured Digital/Analog receiver designed for communications in the Land Mobile bands.

EVX-LRX contained 16 channels and many important frequency channel stored in CPU and flash, which is easily programmed by Vertex Standard licensed dealers using a standard PC and the following Vertex Standard programming equipment.

This manual will describe in detail the many advanced features of the EVX-LRX.

CONTENTS

IMPORTANT NOTE

- There are no owner-serviceable parts inside the radio. All service jobs must be referred to an authorized Vertex Standard Service Representative.
- In order to maintain the specified water integrity performance, periodic maintenance is recommended.
- Should the radio sustain a severe shock (e.g. if it is dropped), the water integrity may be compromised, requiring service. Should this occur, contact your Authorized Vertex Standard Dealer.

BEFORE YOU BEGIN

Power On/Off

■ Please connect the power source (battery pack) to EVX-LRX power input jack. When it prompts Power-on sound and current channel, EVX-LRX power on successfully.
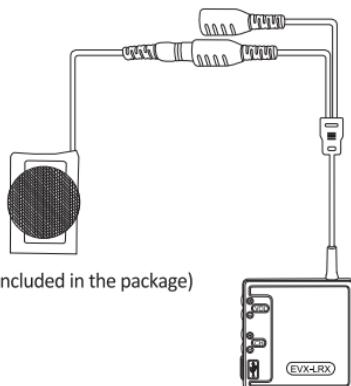
(Battery not included in the package)

■ Disconnect the power source(battery) off the EVX-LRX power source jack.
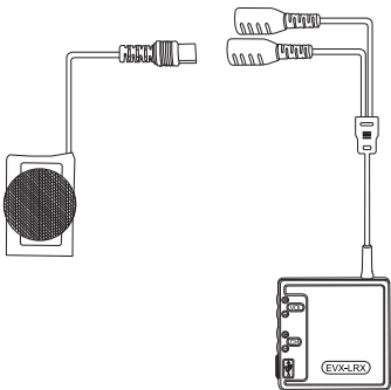
Control and connection jack:
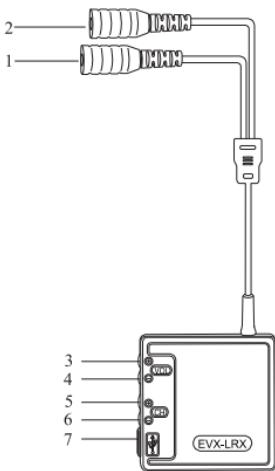
1. Power source jack

2. Earpiece jack

3. Volume up key

4. Volume down key

5. Channel up key

6. Channel down key

7. Programming port

OPERATION

Operation quick start

◼ Power on: Please connect the power source (battery pack) to EVX-LRX power input jack. When it prompts Power-on sound and current channel, EVX-LRX power on successfully.
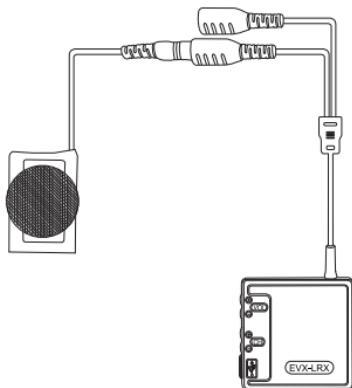
OPERATION

◼ Power off EVX-LRX: Disconnect the power source (battery) off the EVX-LRX power source jack.
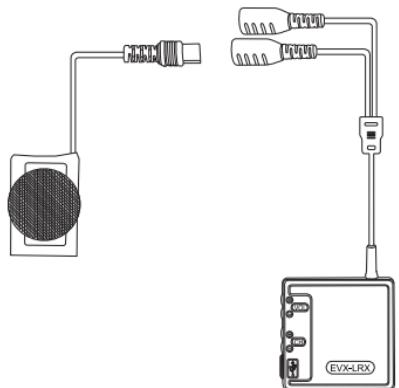
OPERATION

■ Volume selection: After power on EVX-LRX equipment, and press receiver's volume "+" key; If you want to lower down volume, press receiver's volume "-" key.

Volume up key
Volume down key
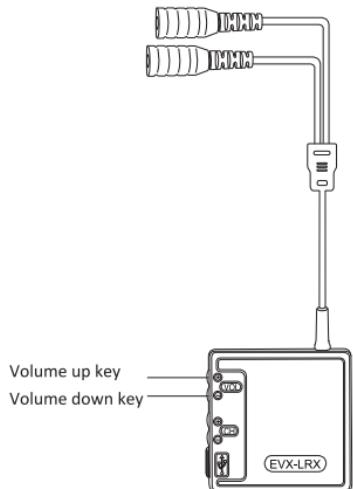
EVX-LRX

OPERATION

■ Channel Selection:Press the channel + key to increase the channel and Press the channel - key to decrease the channel.

Channel up key
Channel down key
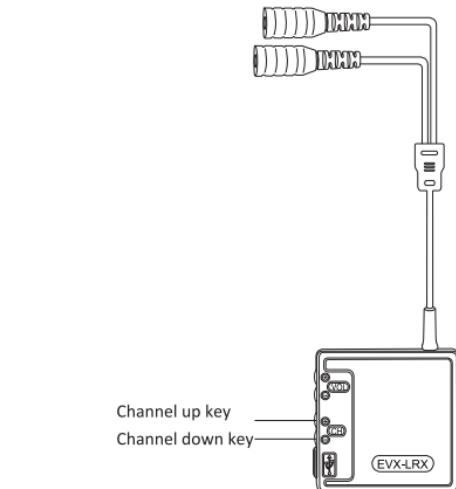
EVX-LRX

OPERATION

■ Operation: 1. Power on EVX-LRX and choose the desirable volume and channel.

    2. When EVX-LRX receiving the signal, you will receive incoming calls.

Programming operation:Power on EVX-LRX, and Connect the computer to EVX-LRX's programming port by using Micro-USB cable.
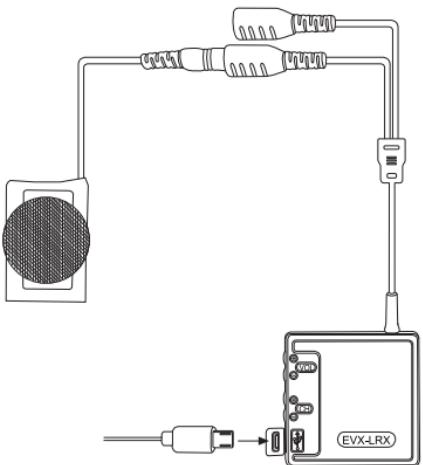
ADVANCED OPERATION

1. Receiving

Channel Selection

Zone is a channel group. The EVX-LRX supports one zone and no more than 16 channels for one zone.

● Press the EVX-LRX channel adjustment key to switch

● Press channel "+" key you will hear one channel prompt sound which indicates that EVX-LRX has switch to the upper channel.

When pressing channel "-" key, it will switch to the lower channel number.

Select EVX-LRX's channel, user ID or group call ID

After setting the channel zone area, please press its channel Selection Key to choose desired channel.

Receive radio call

When matching the channel frequency, user ID or group call ID, the EVX-LRX can receive radio's incoming call.

Analog Receive:

The EVX-LRX receives voice signals when receiving the same carrier frequency and matching signaling.

Receive Group Call

ADVANCED OPERATION

When receiving the call from the user group, the EVX-LRX must configure into the same talking group.

If no voice activated at a preset time period, the call will be terminated.

Receive Private Call

Private call is one radio to call another radio.

If no voice activated at a preset time period, the call will be terminated.

Receive All call

All call is one radio to call all the other receiver on the channel. It is used to inform users to pay special attention to the important information.

If no voice activated at a preset time period, the call will be terminated.

> **Caution**
>
> When you receive all call, If you want switch to another channel, the radio will stop to receive all call. During the period of all call, you can not use any programmed key function until all call finished.

ADVANCED OPERATION

2. Scan (programmable keys on/off)

Scan List

Create scan list and program single channel/group as the scan list, the radio will scan all channels/group in the scan list. The radio support maximum 250 scan lists, each list includes 16 members

Scan

When the scan enabled, your radio use cycle pre-program scan list to check if the current channel have voice.

There are two type of scan.

Main channel scan (manual): The radio scans all channels in scan list/group. Enter into scan, according to different settings, your radios will auto start from the last scanned "activated channel/talk group" or initiate scan channel.

Auto scan(auto): You can select one channel/group which already programmed as auto scan, and the radio scans start from this auto scan channel.

Start and stop scanning

Press programmed scan key or use the channel knob to

ADVANCED OPERATION

select one auto scan channel when scan activated, LED
indicator flashing yellow, you can hear a confirm tone.
When scanning stop, LED indicator Extinguish and a alarm
tone heard.

Dual priority channel scan

When set up one priority channel, activated the priority
scan function, such scan use Cyclic scan mode, it always
scans the priority channel during each common scan.
In time of scan, response the transmission scan.
The radio remain in the activated channel/group.
The time of the radio keep in this channel mean "Scan hold
time"

ADVANCED OPERATION

3. Setting
Digital/Analog Channel mode selection
You can set the EVX-LRX'S each channel mode by using
programming software.
Setting
Set squelch level
You can adjust the squelch level, filter low signal useless
calling or background noise higher than normal value
channel.
Default Setting: Normal squelch
Press preset "tight/normal squelch" key
You can hear one confirmation tone which means the
radio in the status of strong squelch, or you will hear a
negative tone which mean in week squelch.
Repeater time slot setting
You can set the EVX-LRX repeater mode's time slot by using
PC software.
Lock/Unlock the keypad
To lock the keypad. Please long press volume adjustment

ADVANCED OPERATION

"-" key and prompt a indicate sound, keypad lock successfully.
To unlock the keypad. Please long press volume adjustment
"+" key and prompt a indicate sound, keypad unlock
successfully

Open/Close receiver's voice /indicater tone

You can use programming software to activate or disactivate
all EVX-LRX voice /indicater tone If needed.

FCC Caution:

This device complies with part 15 of the FCC Rules.Operation
is subject to the fllowing two conditions:(1)This device .
may not cause hamful interference,and (2) thie device must
accept any interference received ,including
interference that may cause undesired operation.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR

RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES

AND FEDERAL LAW.