

XU/XV-1000S/E Series User Manual

www.Tekk-Radios.com

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

This device may not cause harmful interference, and 2) This device must accept any interference received, including interference that may cause undesired operation.



TEKK International Inc.

www.Tekk-Radios.com

* This User manual subject to change according to XU/XV-1000S/E Series Portable Radio without notice.

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TEKK International Inc.

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Thank you for your purchase of the XU/XV-1000S/E Series Radio.

1. When using the Radio, please read the enclosed user guide in details.
2. The functions and specifications are subject to be changed without notice for improvement of the Radio performance.



Radio



Battery Pack



Adaptor



Charger



Antenna



Belt Clip



User Manual

* Components could be changed by buyer request.

1. Precautions



Warning

Don't remove the antenna from the Radio or don't transform the antenna or don't make any change on the antenna. The strong electronic wave to be emitted from the Radio can have an effect on the performance of the Radio and can cause the Radio to have a defect.



Warning

Don't disassemble or reorganize the Radio. The disassembly or reorganization will be causes of defect or malfunction and it will be impossible to make repair afterward. Also, a punishment can be made by law.



Warning

Don't use the other frequency except for the permitted frequency in order not to be punished by law.



Caution

- Don't give an excessive shock to the Radio.
- Don't place the Radio where the direct sunlight and/or the high temperature occurs.
- If the Radio is placed for a long time in car in summer, the hot temperature in the car may cause an explosion of battery.
- Sharp substance and/or an excessive shock may cause damage to the battery.



Warning

In case of the area that medical equipments are being used, please use the Radio after discussion with the equipment maker or the related doctor.



Caution

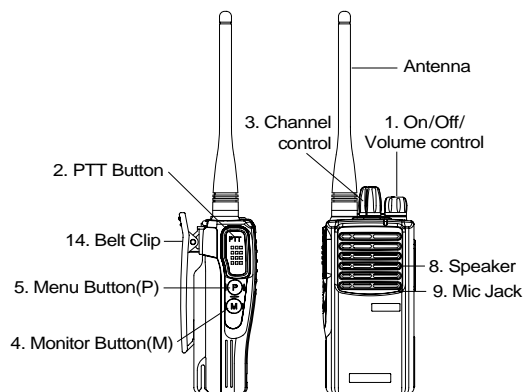
Please don't use the Radio at the place where computer or other electric/ electronic devices are being used, because the strong electronic wave from the Radio can have an effect on the equipments.



Warning

- Please keep the Radio away at least 1 inch from the body.
- If the outside surface of antenna gets stripped out, it can make a burn on the skin.
- If you contact a conductive metal to battery terminal, a heat can be made and it may cause fire, explosion and burn. Especially, please be careful when putting the battery in a pocket or a bag.
- When using an earphone, please don't listen to the sound at a high level. The high sound may have a bad effect on your ear.

3. Appearance of XU/XV-1000S/E Series Radio



1. On/Off/Volume Control

Turns the radio on and off and adjusts audio volume level.

2. PTT Button(Push-To-Talk Button)

Radio transmission button. It is recommended to talk 5~10cm away from the micro phone for the best voice communication.

3. Channel Control

16 channels are selectable by rotary switch.

4 Monitor Button(M)

The monitor mode is enabled and disabled by pressing the Monitor button (M) on the side. Normal Mode : During pressing the Monitor button(M) for about 2 seconds, it is possible to check the receiving status.

Continuous Mode : During pressing the Monitor button(M) for more than 2 seconds, the Radio will make a "Beep" tone, which means the monitor function is maintained and if you press the Monitor button(M) again, the monitor function will be released.

5. Menu Button(P)

Available to use for scan function.

6. Accessory Connector

The Accessory Connector is used when using an external speaker microphone or doing PC programming or making the Cloning or using as a Repeater.

7. RX /TX Led

This LED is a lamp indicating the current status of the Radio and please refer to the below contents.

RX : Green Lamp.

TX : Red Lamp.

CTCSS, DCS Error : Green Blinks.

Low Battery: Red Blinks with "beep" sound.

8. Speaker : 1W

9. Mic : It is recommended to talk 5~10cm away from the mic.

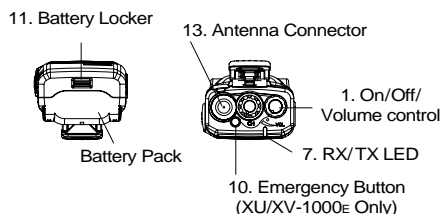
10. Emergency Button (XU/XV-1000E Only)

11. Battery Locker : This is for separation of battery.

12. Battery

13. Antenna Connector

14. Belt Clip



3. Basic Operation of XU/XV-1000S/E Series Radio

Please read this manual carefully before using XU/XV-1000S/E series Radio.

This manual contains important information about using Radio.

3.1 Installation and Removal of the Antenna

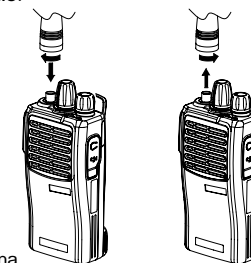


figure 3-1) Installation and Removal of the Antenna



When installation of the antenna, giving a strong pressure to the Radio or pulling the antenna with a strong power from the Radio can make a damage on the antenna connector, which may cause the Radio to have a critical problem.

3.2 Installation and Removal of the Battery

3.2.1 Installation of the battery

To install battery, slide up the battery towards the top of the radio until battery latch is locked.

3.2.2 Removing the Battery

- Slide the battery latch located on the bottom of radio to the open position as shown in figure 3-2.
- The battery is removed by pressing it against and sliding it towards the bottom of the radio.

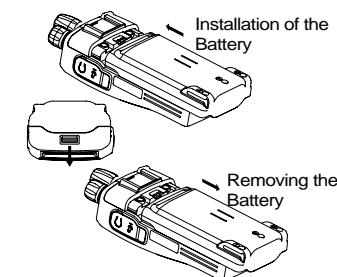


figure 3-2) Installation and Removal of the Battery

3.3 Installation and Removal of the Belt Clip

- To attach belt clip to radio, align belt clip rails with the grooves in radio and slide the belt clip onto the mounting rails until it latches into place.
- To remove belt clip from radio, push up on tab of belt clip with flat bladed screwdriver and at the same time, slide the belt clip towards the top of Radio (figure 3-3).

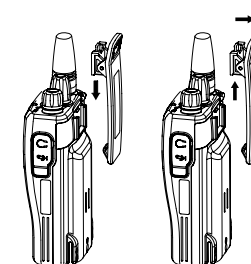


figure 3-3) Installation and Removal of the Belt Clip

4. Charging the Battery

4.1 Safety Notes

- 1) The radio of XU/XV-1000S/E series receives power from high-performance Li-ion battery (XSB-2400). XSB-2400 Battery is safe of high performance and highly reliable, and could be charged very fast. XSB-2400 Battery has been designed suitably only for the charger of Tekk International Inc (DC-1000).



The charging of the enclosed Radio on the other maker's charger will cause damage to the battery and the Radio.

- 2) Please charge the battery before using the radio for best performance and safety.
- 3) When you charge the battery that is installed in the Radio, please turn off the radio first to charge the battery.



The continuous rapid discharge (for example, when making a short circuit on the '+, -' terminals of battery by a metal substance) may make a fatal defect and the battery can be exploded. Also, it can cause a fire.

- 4) Using the correct battery will improve the efficiency and safety.

4.2 The Time of Charging

Low battery voltage will make the radio have less coverage and also make the performance worse. Please charge the battery in case of following:

- 1) When you think performance of the radio becomes lower
- 2) When the red lamp on RX/TX Led blinks (every 0.5 second) during transmission or reception
- 3) When "beep" sound is generated while the radio is in use.

4.3 How to Charge

- 1) Plug the Adaptor for DC-1000 charger into the electricity power outlet.
- 2) When charging the Radio with the battery installed, please turn off the power of the Radio and place the Radio on the charger (The charger has a slide slot.).
- 3) After completion of the charging, the green LED on the charger will light. However, please continue the charging for 30 more minutes for the complete full charge.

status	During charging	When charging	After charging	Detecting error
LED Indication	Red LED lights	Green LED lights	Green LED lights	Red LED blinks

4.4 Charger (DC-1000)

The DC-1000 charger is designed to charge only the Li-ion battery enclosed in this Radio.

Specifications of DC-1000 Charger / Adaptor

- BATTERY : XSB-2400
- QUICK CHARGING TIME : In 4 and half hours

5. Operating Instructions of XU/XV-1000S/E Series Radio

Functions	Key & Setting	LED Status	Descriptions
1. Power On/Off	On/Off/Volume Control		"Beep" sound is heard.
2. Transmit (TX)	PTT Button	H: Red L: Orange	Possible to set by PTT Button + Menu Button(P)
3. Receive (RX)		Green	In abnormal status, the Green LED blinks.
4. Channel change	Channel Switch		Place the Channel Knob on the position where you want to locate.
5. Adjustment of TX Output Power	High: PTT Button+Menu Button(P) Low: PTT Button+Monitor Button(P)		
6. Scan	Menu Button(P)		Both Normal Scan and Priority Scan are available.
7. VOX	Setting by PC Programming		This is for transmitting voice without pressing the PTT Button.
8. Compander	Setting by PC Programming		This is for deleting noise.
9. Cloning	Original: PTT+On	Orange	After connecting the Cloning cable, start by pressing the Monitor button(M) of original Radio. When succeeded, the Green LED lights and when failed, the Red LED lights.
	Copy: Menu Button(P)+On	Green	
10. Indication of Battery Voltage		Green: Good	In case of low Battery, the Red LED blinks and the Radio is turned off.
		Orange: Sufficient	
		Red: Insufficient	
11. Stun	Menu Button(P)+Monitor Button(M)	Red, Green	Repeater base station can control the operation of Radio from the location where is far away from the base station.
12. Scramble	Monitor Button(P)		This is for protection of your voice from other people.
13. Monitor	Setting by PC Programming	Green	User can check whether the RX of current channel is OK or not.
14. BCL/BCLO	Setting by PC Programming		During normal RX, it is for blocking of TX
15. TOT	Setting by PC Programming		This is for control of transmission time.
16. 2 Tone	Setting by PC Programming		
17. Lone Worker	Setting by PC Programming		This is for transmission of emergency alarm when no transmission during a period of time.
18. Emergency (XU/XV-1000S/E Only)	Setting by PC Programming		In case of emergency situation, if you press the Emergency button in orange color for more than 2 seconds, a siren sound for emergency call will be heard through the speaker built in the Radio or the Radio will transmit the emergency signal to your party.