BOXCHIP SMART TERMINAL

Thank you for purchasing the BOXCHIP S900 terminal.
This quick start guide will talk you through the basic features and functions of your new S900 terminal.

STANDARD INCLUDED ACCESSORIES:

- 1×Antenna（Model Dependent）
- 1×3.8V 4500mAh battery
- 1×USB C cable
- 1×USB charger
- 1×Belt clip
- 1×SIM card cover tool

OPTIONAL ACCESSORIES:

- Remote speaker microphone（RSM）
- Earbud base set with PTT key
- Bluetooth remote speaker microphone
- Body camera with PTT earphone
- Dock charger
- Charger station

BOXCHIP S900 Series Overview

S900 SERIES ANTENNA

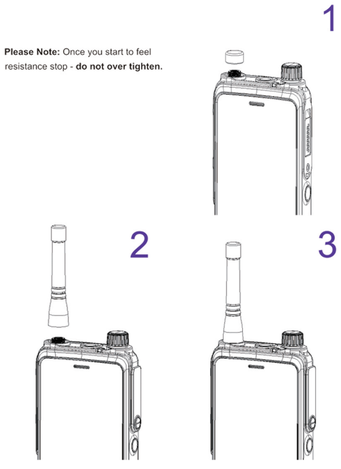
The BOXCHIP S900 series have three antenna styles depending on the radio model.

- S900A+ UHF：400-470mhz Antenna
- S900A+ UHF：350-400mhz Antenna
- S900A+ VHF：136-174mhz Antenna
- S900B+ Antenna

S900 SERIES ANTENNA INSTALLATION

Installing the BOXCHIP S900 antenna is as simple as screwing it on. Simply place\ the antenna on top of the SMA connector and screw clockwise.

Please Note: Once you start to feel resistance stop - **do not over tighten.**



DUAL SIM CARD AND MEMORY CARD INSTALLATION

Step 1: Remove the battery if pre-installed. (Follow the battery installation and removal procedure below if you are unsure how to do this)

Step 2: Locate the black silicone cover which is located in the middle of the device.

Step 3: Insert a small tool under the notch located to the left hand side of the silicone cover and pry it off.

Please note: The silicone cover can be a little tough to remove as it forms a waterproof seal protecting the internal electronics.

Step 4: Install the SIM card and/or memory card by sliding the retainer to the 'open' position (as marked) and insert the SIM/memory card. Once inserted simply slide the retainer to the 'locked' position.

Step 5: Reassemble by pushing the silicone cover back into place and sliding the battery back on.

BATTERY INSTALLATION / REMOVAL

Battery Installation Procedure

Step 1: Slide the top tabs of the battery into the corresponding indents on the back of the radio housing

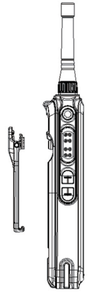
Step 2: Press down on the lower area of the battery to lock it into place.

Please Note: You will hear an audible click as it locks in place.

Battery Removal Procedure

Step 1: Press and hold the bottom " ⏏ " button on the battery while simultaneously lifting from the base of the battery.

Step 2: Slide the battery out towards the base of the device.



BELT CLIP INSTALLATION (IF REQUIRED)

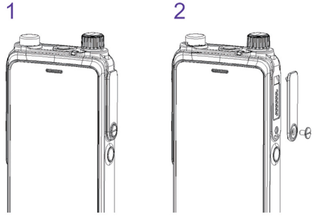
Step 1: Place belt clip on top of the 2 corresponding belt clip installation holes at the rear of the device (just below the camera and BOXCHIP logo).

Step 2: Screw both screws in but do not over tighten.

ACCESSORIES INSTALLATION THROUGH M6 PORT (IF REQUIRED)

Step 1: Remove the M6 port cover. The M6 port is at the right side of device as shown in this photo.

Step 2: Connect Boxchip optional accessories using the M6 port. Tighten the screws but do not over tighten.



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BOXCHIP IS A LEADING GLOBAL MANUFACTURER OF INTELLIGENT COMMUNICATIONS. WE ARE COMMITTED TO USING TECHNOLOGY TO CHANGE THE RELATIONSHIP BETWEEN PEOPLE AND TECH.

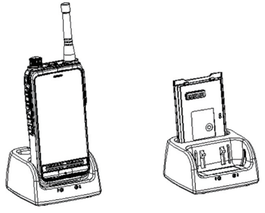
www.boxchiptt.com

DOCK CHARGER (OPTIONAL ACCESSORY)

Step 1: Plug the appropriate USB C cable into the back of the dock and into the USB wall charging socket.

Step 2: Slot the S900 or battery into the dock as picture.

Important: Please read the information label at bottom of the dock before charging for the first time.



What do the different LED states mean? (For S900A+ only)

State in DMR Mode	LED Indication
PTT button is in DMR mode	Breathing blue
Warning	Quick blinking blue
Error	Solid red
Idle	Breathing blue
Transmitting (tx)	Solid blue
Transmission Inhibit/failure	Quick blinking blue
Receiving (rx)	Solid green
Hang time keeping	Breathing green
Activity over the air detected	Blinking green
Emergency	Quick blinking blue

BOXCHIP BiMR (For S900A+ only)

BiMR is BOXCHIP's powerful proprietary DMR and analogue software that allows you to receive or transmit utilising the devices built in VHF or UHF

Configuring the BiMR / BPS Software (For S900A+ only)

To configure your new terminal simply download and install the BPS (BOXCHIP Programming Software) on your home computer or mac. The BPS software can be found by visiting the official BOXCHIP website: www.boxchiptt.com.

Please Note :

1.You can find the complete BPS user guide within the BPS software installaion folder. Please read this before Programming your terminal.
2. BPS software only support Windows 7 or above.

BiMR ICONS (For S900A+ only)

ICON	STATES
DMR ANA	Channel type: DMR or Analog
Hi Lo	High power or low power
..ıl ✕	Signal of DMR
DMO RMO TLK	DMO (direct mode operation) RMO (repeater mode operation) TLK (talk around mode)
O--	Encryption
A B	Time slot A, time slot B(only for DMR)

Precautions for Portable Terminals

To help you ward off bodily injury or property loss that may arise from improper operation,please read all the information carefully before using our products.

■ Operating Prohibitions

To protect you against any property loss, bodily injury or even death, be sure to observe the following safety instructions:

1.Do not operate the product in a location containing fuels, chemicals, explosive atmospheres and other flammable or explosive materials. In such location, only an approved Ex-protection model is allowed for use, but any attempt to assemble or disassemble it is strictly prohibited.
2.Do not operate the product near or in any blasting area.
3.Do not operate the product near any medical or electronic equipment that is vulnerable to RF signals.
4.Do not hold the product while driving.
5.Do not operate the product in any area where use of wireless communication equipment is completely prohibited.

■ Important Tips

To help you make better use of the product, be sure to observe the following instructions:

1.Do not use any unauthorized or damaged accessory.
2.Keep the product at least 2.5 centimeters away from your body during transmission.
3.Do not keep the product receiving at high volume for a long time.
4.For vehicles with an air bag, do not place the product in the area over the air bag or in the air bag deployment area.
5.Keep the product and its accessories out of reach of children and pets.
6.Please operate the product within the specified temperature range.
7.Continuous transmission for a long time may lead to heat accumulation within the product. In this case, please keep it at a proper location for cooling.
8.Handle the product with care.
9.Do not disassemble, modify or repair the product and its accessories without authorization.

FCC 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.
Note: This equipment has been tested and found to comply with the limits for a ClassB digital device, pursuant to part 15 of the FCC Rules. These limits are designed toprovide 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 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.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Compliance and Control Guidelines and Operating Instructions
To control your exposure and ensure compliance with the occupational/controlled environmental exposure limits, always adhere to the following procedures.
Guidelines:
Do not remove the RF Exposure Label from the device.
User awareness instructions should accompany device when transferred to other users.
Do not use this device if the operational requirements described herein are not met.
Operating Instructions:
Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), push the Push-To-Talk (PTT)
key. To receive calls, release the PTT key. Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy only when transmitting (in terms of measuring for standards compliance).

Keep the radio unit at least 2.5 cm away from the face. Keeping the radio at the proper distance is important as RFexposure decreases with distance from the antenna. The antenna should be kept away from the face and eyes.

When worn on the body, always place the radio in a BOXCHIP-approved holder, holster, case, or body harness or by use of the correct clip for this product.
Use of non-approved accessories may result in exposure levels which exceed the FCC's occupational/controlled environmental RF exposure limits.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 10 mm from the body.

Use of non-approved antennas, batteries, and accessories causes the radio to exceed the FCC RF exposure guidelines.

Contact your local dealer for the optional accessories of the product.

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S900 SERIES

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