4.2 Receiving sensitivity：(AM/NFM/SSB=10dB S/N)

frequency/MHz	AM	NFM	SSB
54～88	0.45uV	0.4uV	0.15uV
88～108	0.4uV	0.35uV	0.15uV
108～200	0.4uV	0.3uV	0.15uV
200～300	0.8uV	0.7uV	0.3uV
300～500	0.4uV	0.3uV	0.15uV
500～700	0.5uV	0.4uV	0.2uV
700～1000	0.6uV	0.45uV	0.15uV

5.Packing List

Packing item	Quantity
WR12 component	1
Type-c data cable	1
SAM to BNC RF cable	1
Thumb screw	2
Manual	1
Warranty card	1
Certificate of conformity	1（printed on the label）
Hex wrench	1

WR12 Manual

WR12 is an extended component of X6200, which is internally equipped with frequency converters with good sensitivity, linearity, and adjacent channel immunity. It can down-convert the wireless signals to low intermediate frequency signals and transmit them to the X6200 host, increasing the receiving bandwidth of the X6200 host.

1.Installation Steps

① Use the matching hex wrench to unscrew the fixing screws of the small cover plate, and then remove it.

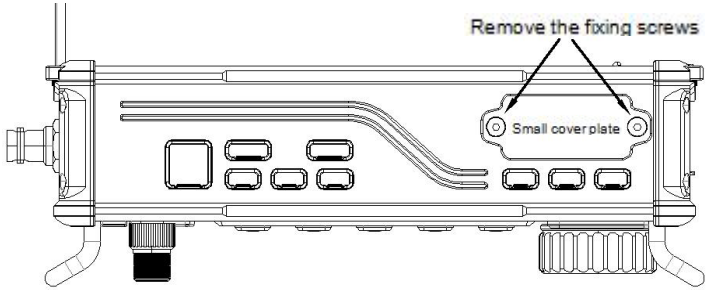

Fig.1 Installation step 1

② Insert the protrusion of the WR12 component into the groove on the top of the X6200 host.

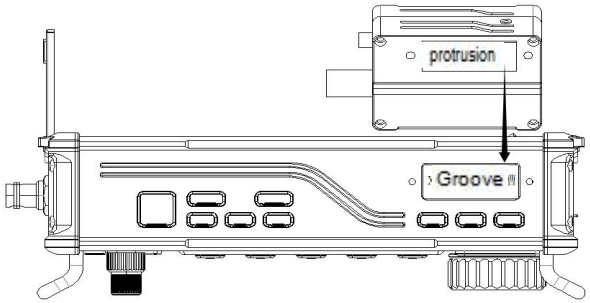

Fig.2 Installation step 2

③ After being inserted into the groove, use the matching thumb screw to fix it.

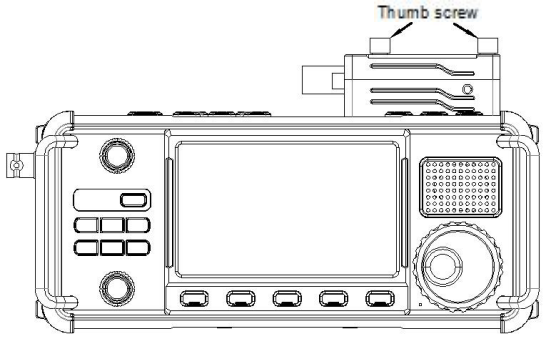

Fig.3 Installation step 3

2.Connections for WR12 Component and the X6200 Host

① Connect the RIG port of the ANT port of X6200(SAM to BNC RF cable).

② Connect the USB port of the WR12 to the host port of X6200(using the type-c data cable).

③ Connect the ANT port of the WR12 to the antenna.

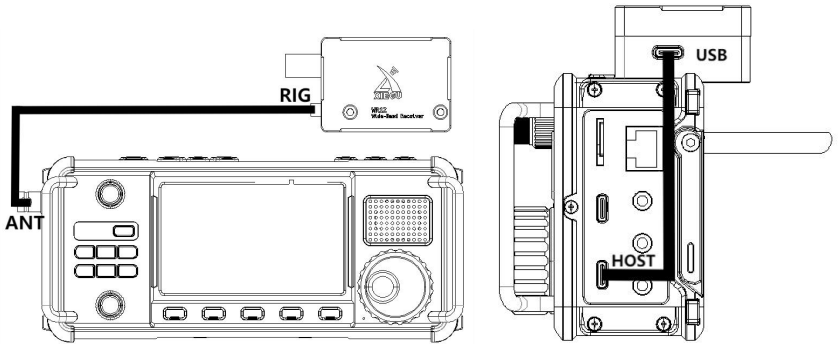

Fig.4 Diagram of WR12 and X6200 connection

3.Instructions

3.1 After the WR12 component is correctly connected to the X6200 host according to the connection method mentioned above, a blue WR12 logo will appear in the upper right corner of the X6200 main interface, as shown in Fig.5.

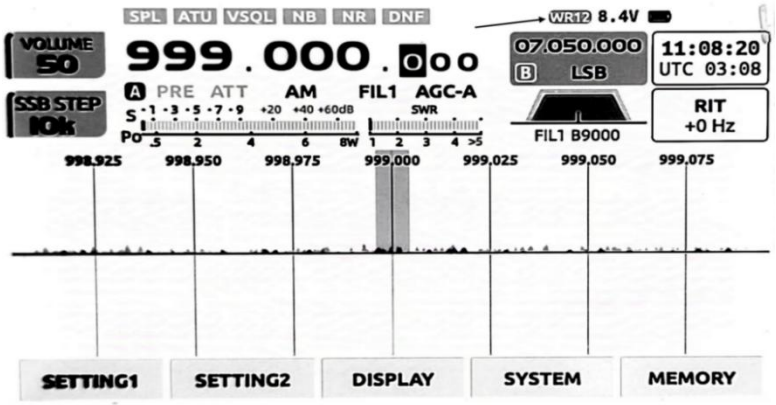

Fig.5

3.2 The ways of selecting frequency：

Use the X6200 handheld microphone or rotate the large knob of the X6200 host

3.3 Working states：

① When the frequency is below 54MHz(inclusive), the WR12 component is in a shoot- through state.

② When the frequency is higher than 54MHz, select the WR12 component function and the host is in a prohibited transmission state.

4. Parameters Design

4.1 Working frequency：54MHz～1000MHz