CCR-3 Operating principles Modulation Type: GFSK

1. AM/FM TUNER

Band switch S208 selects to the AM/FM band(IC8-si4730 enable), ie the AM/FM band starts action.
The audio output of the AM/FM section is output via the IC8 action.
AM/FM band selects the receiving frequency via SW212/SW213 control selection.
audio is output by OP amp IC(IC15) and audio amplifier(IC2)
X3-Crystal 32.768KHz

2. WX(WEATHER) TUNER

Band switch S201 selects to the WX band(IC5-si4738 enable), ie the WX band starts action.
The audio output of the WX section is output via the IC5,IC11 action.
WX band selects the receiving frequency via SW212/SW213 control selection.
audio is output by OP amp IC(IC15) and audio amplifier(IC2)
X2-Crystal 32.768KHz

3. 2-METER (VHF) TUNER

Band switch 201 selects to the 2-METER band(VHF block standby),
ie the VHF band starts action.
The audio output of the VHF section is output via the IC1,IC3,IC4 action.
VHF band selects the receiving frequency via SW212/SW213 control selection.
audio is output by OP amp IC(IC15) and audio amplifier(IC2)
X1-Crystal 10.245MHz

4. Bluetooth:

Band switch 201 selects to the bluetooth band(BM2020 module standby),
After connecting with the mobile phone, Bluetooth turns on
The audio output of the bluetooth section is output via the MD1 action.
audio is output by OP amp IC(IC7) and audio amplifier(IC2)
Bluetooth Module BM2020
Frequency: 2.402 to 2.480GHz
Receive Sensitivity: -80dBm
Power Output: class 2/(4dBm ± 2dB)
Connection Distance: >10m (free space and no interference)

5. AUX IN:

Band switch 208 selects to the Aux band,ie Aux band standby
Through JK601 external audio input,
audio is output by OP amp IC(IC15) and audio amplifier(IC2)