CP-100(CHOPIN_A) Operating principles

1. FM TUNER

Band switch 1 selects to the FM band(IC500-si4835 enable), ie the set IC501 get FM band starts action.
The audio output of the FM section is output via the IC6 action.
FM band selects the receiving frequency via VR500 control selection.
All audio is output by EQ IC(IC3) and audio amplifier(IC700)
X1-Crystal 32.768khz

2. AM TUNER

Band switch 1 selects to the AM band(IC500-si4835 enable), ie the set IC501 get AM band starts action.
The audio output of the AM section is output via the IC6 action.
AM band selects the receiving frequency via VR500 control selection.
All audio is output by EQ IC(IC3) and audio amplifier(IC700)
X1-Crystal 32.768khz

3. Bluetooth:

Band switch 1 selects to the bluetooth band(GWB23MS module standby), After connecting with the mobile phone, Bluetooth turns on.
The audio output of the bluetooth section is output via the IC5 action.
All audio is output by EQ IC(IC3) and audio amplifier(IC700)
Bluetooth Module GWB23MS
Frequency: 2.402 to 2.480GHz
Receive Sensitivity: -80dBm
Power Output: class 2/(4dBm ± 2dB)
Connection Distance: >10m (free space and no interference)
Antenna type: PCB antenna
Antenna gain: 1.47 dBi

4. AUX IN:

Band switch 1 selects to the Aux band,ie Aux band standby.
Through JK701 external audio input,
The audio output of the Aux section is output via the IC4 action.
All audio is output by EQ IC(IC3) and audio amplifier(IC700)