

G90_MainUnit_FW_V1.79b02 Firmware Update Instructions:

Important Note: The display part/host must be updated to V1.79 simultaneously and the V1.79 cannot be mixed with other versions.

File:

1. G90_DisUnit_FW_V1.79b02
2. G90_MainUnit_FW_V1.79b02

1. Improved the AGC algorithm.
2. Improved the Filter's algorithms.

1. New data mode: U-D; L-D, for USB DIG; LSB DIG,
In data mode: ACC port LINE IN is connected to the modulator (hand mic is muted); LINE OUT is enabled
2. The band-pass filter is changed to 2 BPFs combination. The default value of each working mode is:

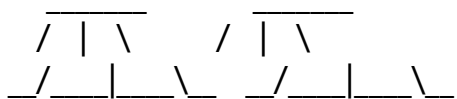
| Mode | BPF1 | BPF2 | bandwidth |
|---------|--------------|--------------|-----------|
| SSB | 300 ~ 3000 | 300 ~ 3000 | 2700 |
| SSB DIG | 100 ~ 3100 | 100 ~ 3100 | 3000 |
| CW | -250 ~ 250 | -250 ~ 250 | 500 |
| AM | -3000 ~ 3000 | -3000 ~ 3000 | 6000 |
| NFM | -4500 ~ 4500 | -4500 ~ 4500 | 9000 |

Note: Negative numbers for frequency indicate that the frequency is to the left of the center of the spectrum (ie, the lower sideband).

3. Adjust the bandpass filter operation logic:

Short press MFK to select the bandpass filter (take the default filter bandwidth of SSB as an example):

| Bandpass filter selected | Bandpass filter unchecked |
|-----------------------------|------------------------------|
| > B2700 | B2700 |



When Bandpass Filter is selected:

- ▷ Short press the MFK button to switch between BPF1/BPF2
- ▷ Turn the MFK encoder to adjust the selected BPF
- ▷ Long press the MFK key to exit the selection
- ▷ Press the FUNC key to exit the selection
- ▷ Press other menu keys (such as POW, KEY, etc.) to exit the selection

When the FUNC light is on:

▷ Press CMP/F-L key to set BPF1 to default

▷ Press NB/F-H to set BPF2 to default

Tips:

▷ B2700 above the filter icon means BandWidth=2700Hz, that is, bandwidth=2700Hz

4. Adjust the operation logic of the secondary menu

Press the FUNC key in the secondary menu without saving and exit

5. FFT SCALE option is fixed to AUTO

6. Optimize the FFT automatic level algorithm, the visual effect is smoother.