

## G90\_MainUnit\_FW\_V1.74\_build004 - Note-20200526

G90\_MainUnit\_FW\_V1.74\_build004(release) Firmware Update Description

Updated on: May 26, 2020

Current version No.: 1.74

Applicable models: G90S, G90

Nose firmware: G90\_Dispatch\_FW\_V1.74\_build004(release)

Host firmware: G90\_MainUnit\_FW\_V1.74\_build004(release)

Firmwares of host and nose must be updated at the same time!

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Boot failure, communication outage or other abnormalities will be caused once the firmware version of host and nose is inconsistent or lost!!!

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### Update Description:

This update is based on the function of version 1.74-beta, which mainly focuses on optimization with no functions added or deleted.

1. Fixed the problem that MIC Gain is relatively high
2. Added auto FFT scale
3. Added background VFO frequency display function under channel mode
4. Widened the maximum bandwidth of CW filter
5. Optimized the filter bandwidth/center frequency point adjustment and CW Tone adjustment range under CW mode
  - ★ If CW Tone is adjusted under CW or CWR mode, the range of CW Tone is the upper and lower limits of filter under current mode
  - ★ If CW Tone is not adjusted under CW or CWR mode, the range of CW Tone shall be within the upper and lower limits of filter under CW and CWR mode
6. Changed RF GAIN to directly act on receiving channel gain
  - Adjustment range: 1~100% (default: 50%), corresponding gain (on the basis of receiving channel gain): -19.6~+20dB, step=0.4dB
  - ★ Note: RF GAIN will influence the value of Table S and FFT
7. Added microphone filter of SSB mode to attenuate partial low frequency component of microphone signal and improve emission efficiency
8. Changed the color of lines in frequency spectrum picture into green and fill color into semitransparent green
9. Optimized the encoder to prevent it from interference or impulse as the first one
10. Optimized stack and enhanced the stability
11. Optimized the control characteristics of AGC and ALC
12. Fixed the bug of channel storage function
13. Fixed the spectrum display bug during emission
14. Fixed the bug of standing wave detection threshold
15. Fixed the problem of interrupted voice during low power emission

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Updated version No.: (it can be checked in 10th item of system menu. It takes about 3s to read version information once entering this item)

10. Version:

BASE : V1.74

G90\_MainUnit\_FW\_V1.74\_build003 - Note-20200526

May 25 2020, 20:10:21

APP: V1.74

May 25 2020, 16:20:44

\*Note: APP refers to the firmware version information of nose and BASE refers to  
firmware version information of host