

G-106/G-106Ex/G-70X MCU code and Firmware update procedures

Version: V1.00 Date: 2017-01-16

- A. Applicable models:
 - 1. G-106: warping processor
 - 2. G-106Ex: single channel edge blending processor
 - 3. G-702: Dual channel edge blending processor
 - 4. G-703: three channel edge blending processor
 - 5. G-704: four channel edge blending processor

- B. Equipment and connection
 - 1. USB cable:
USB Type B (to G-70X/G-106) to USB (PC/Notebook)
 - 2. PC/Notebook with Windows standard USB HID driver. No special driver is required.

- C. PC update software
 - 1. GUU V1.0X
 - 2. Please download from website at: www.vnstw.com

- D. Software/Firmware update: two types of software/FW
 - 1. MCU Code: MCU code related to system control and Gwarp2 application
Example: Decompressed the code into **MCU**-G70X-G106X_20161230.bin
(MCU: MCU code, G70X-G-106x: for G-700 & G-106 series, Issued Date: 2016-12-30)
 - 2. Firmware : Firmware is for system processing and operation
Example: Decompress the code into
VNS_GEOBOX_20161228A_700R1A02_EEPROM_HDCP.bin
(Issued Date: 2016-12-28, 700: for G-700 series, HW version: R1, FW Version: A02)

- E. Enter ISP mode (In-system Programming mode)
 - 1. Before code update, GeoBox system needs to get into ISP mode
 - 2. Hold [Menu] + [Up] keys at the same time and Power On GeoBox to get into ISP mode, flashing LED will show on GeoBox front panel.

- F. System connection for code update

Use BUS cable to connect PC USB port with GeoBox USB type B port through USB cable.



G. Code update procedures:

1. Open GUU V.10x ISP software in PC.
2. Click [Connect] to link ISP software.
3. Select [MCU] → Select MCU .bin code for the update → [Start]. It will take about 8 seconds to finish MCU code update. After finishing MCU code, click [OK].
4. Select [CH 1] → Select .bin FW for the update → [Start]. It will take about 200-300 seconds to finish the code update, click [OK] to finish FW update.
5. Select [CH 2], [CH3], [CH 4] and follow the same procedures to update FW.
6. For G-106/G-106Ex, please select [CH 2] for the FW update.
7. After finish code update, power off and power on the system again to finish complete code update.
8. User can follow below procedures to update system EDID as well:
 [Option] → [Settings] → [EDID] → select any other EDID → return to desired [EDID]. The system will change input mode and show up normal image again to finish the process.

