W-DMX Firmware 3.5 Change Log

TRX 3.5.30, AddOn 19

Radiocard firmware

- Fixed issue to keep link stable (will indicate a little lower reception, but remain link) when G6 transmitter have Bluetooth activated.

TRX 3.5.24, AddOn 19   2020-09-27

Radiocard firmware

- Fixed an issue with the frequency mask in G3 mode

AddOn board firmware

- Fixed an issue if reading incoming DMX data miss one slot to prevent further slots to be shifted

TRX 3.5.20, AddOn 17   2019-09-22

Radiocard firmware

Obs, only for F-x model of G5 BlackBox, WhiteBox and ProBox

Radiocard firmware:

- Double up support, have G5 Double Up radiomode
  DMX data only indicated if DMX input for both universes
- Ethernet DMX input only operational on one universe
- Fix on DMX output to output full DMX packages
- Update on RDM in G4S mode

AddOn board firmware

- 2 universe communication
- Solved issues with some tricky DMX timings that caused problem
- Update of bootloader have now an indication where TX, LINK blink together with MODE and PWR (TX and LINK is on, MODE and PWR is off, then blinking so TX and LINK is off and MODE is blue and PWR is on to indicate that the AddOn board need to be updated again)

TRX 3.3, AddOn 16   2019-04-10

Obs, only for F-x model of G5 BlackBox, WhiteBox and ProBox

Radiocard firmware:

- Update to support Ethernet connected to AddOn board
    - Update communication timing and content between RadioCard and AddOn board to get Ethernet functionality

AddOn board firmware:

- Communication between AddOn board and Ethernetcard
- Handle detection of direction between AddOn board and Ethernetcard, enable input from Ethernet if the direction match
- Update of bootloader, require two updates of FW if it has an older bootloader

3.1   2018-12-12

Require AddOn software version 14
Obs, only for F-x model of G5 BlackBox and WhiteBox

- G5 radio mode included:
    - Support G5 2.4GHz, DMX
    - Support G5 5.2GHz, DMX
    - Support G5 5.8GHz, DMX
- G4S improvement
    - RDM improvement on 2.4GHz
    - 5.8GHz improvement
- Built in repeater
    - In repeater mode (all transmitters in the system must have MODE LED OFF)
    - On F-2, repeater is entered with the following procedure:
        - Set radio mode so Universe A MODE LED is off
        - Change direction on Universe A in the following order
          (TX, TX) -> (RX, RX) -> (RX, TX)
    - When setting up the repeater chain, the linking need to start from the controller and move towards the fixtures
- When the unit is in (TX, TX) direction, universe B can be turned off by pressing the button for Universe B during power up, this is indicated that only PWR LED is turned on for Universe B. To turn on Universe B again, press the button for Universe B during power up.
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2.22.1   2018-01-10

- Fixed issue on single band cards with DMX output
- NOT WORKING on trippelband cards in our boxes

2.21.0   2017-12-04

- Repeater functionality in G3 mode, with external connection between XLR2 and XLR3

2.20.3   2017-11-01

- Fixed some with RDM both on boxes and on OEM cards

2.20.0   2017-10-20

- Fixed some issues with short and changing package length on DMX output, require version 8 or later on AddOn board
- Removed the possibility to enter configuration on Universe B
- Default mode from shelf is G4S

2.19.6   2017-09-14

- Support for Tiny card
- Merged support for F-1 and F-2, require version 4 of AddOn board

2.19.5   2017-07-07, Firmware for F-2, does not operate on F-1 in some cases

- Support for F-2 units
- Change of internal communication to fit F-2 units
- Universe B can be turned off when pressing the button (only PWR will be lit on Universe B's part of the overlay)

2.19.3   2017-06-09, Firmware for F-1 units

- Internal communication for F-1 units
- Support for 5.8GHz in G4S mode
- Support for A40902G5 cards when placed in BlackBox G4 T-1 units

2.18.7   2017-03-23, Fix for Micro R-512 and Micro F-1

- Preserve frequency mask when changing from TX to RX with button
- Disconnect RXTX_OUT when we are a card with internal antenna to make it possible to shut down when operating on battery on micro units
- Fix Dongle communication
- Correctly show output power on Micro units

2.18.5   2017-03-15, Update for Micro units

- Added support to detect Tiny cards
- Starting to implement OSP2 protocol
- Support for Pro cards with extra attenuator

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- Startup for Micro F-1 boxes

2.17   2017-02-01, G5 TRX software

- Handle pin 10 logic: When using pin 10 to set direction, have pullup, if pin 10 is set to 'R mode during start, pin 10 is output that indicate direction
- Optimized DMX reception to favor radio timing
- Accepting wider range of DMX data
- Different default settings depending on hardware configuration
- Handle full RDM buffer when transmitter
- Fixed delay when updating frequency mask, caused unencrypted data as DMX data
- Support for COB, the COB branch has been merged with TRX branch

2.16   2016-12-12, G5 RX software

- Solved issues, mainly related to G4S reception, solved really long timing issue and stopped DMX output, solved missing slots in occasional DMX packages

2.14   2015-09-08, G5 RX software

- Fixed timing issue for DMX output
- Use DMX timing received in radio for G4S
- Improved RDM speed performance
- Improved F-2 adaptivity performence

2.12   2015-07-05, G5 RX software

- Initial G5 RX firmware