



# ISOSTEM

High end multichannel from stereo

## Release History

Version 3.0.2.0 (Firmware and GUI)

- Fixed HCF not working issue
- Firmware, GUI and Extras are now packaged into a proper installer; multiple versions can be installed in parallel
- Many usability features in the GUI
  - No more code entry necessary for update (only for legacy firmwares when downgrading)
  - GUI detects when newer firmware is installed than on the device and suggests update
  - GUI can save presets (in the device) on the disc before updating the firmware
  - Manual accessible from within the GUI

**DSPECIALISTS**

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#### Version 3.0.1.0 (Firmware and GUI)

- New feature EBU R.128 Loudness Alignment (LUA); misc tab of GUI
- New feature True Peak Limiting (TPL) on center channel; output tab of GUI
- Changed Sub-handling (see block diagram in manual):
  - PA Sub is now alone on upper's bus .1 channel
  - Extra Sub can be mixed onto lower's bus .1 channel behind the 5.0/5.1 split point to add extra Sub in 5.0 upmixes
- LoRo (downmix) can now be put onto Stereo Reference bus
  
- Moved PA settings from GUI's misc tab to PA tab
- Moved ch7/8 settings from GUI's misc-tab to output tab and renamed it to stL/stR-select
  
- 7.1 signal on StereoRef not L-R-swapped any more
- Left/Right unbalance issues fixed
  
- New preset version (LUA and TPL settings added)
- Default presets updated:
  - Downmix setting for LFE is -inf now
  - Sub is now off by default (5.0 Upmix)
  - Extra Sub level is -10 dBFS now
  - LUA is off by default
  - TPL is on by default, with setting 0 dB; except preset 6 where it is off

#### Version 2.6.1.0 (Firmware)

- Improved downmix compatibility
- Improved frame rate switch over

#### Version 2.6.0.0 (against former release 2.2.3.1)

- Introducing 40 ms low signal processing latency
- Automation modes invokable from GPI
- Introducing -10 dB Dolby/DTS attenuation option in LFE module
- Preset management allows loading / storing of all presets at a time
- Optimized audio processing for further improved audio quality