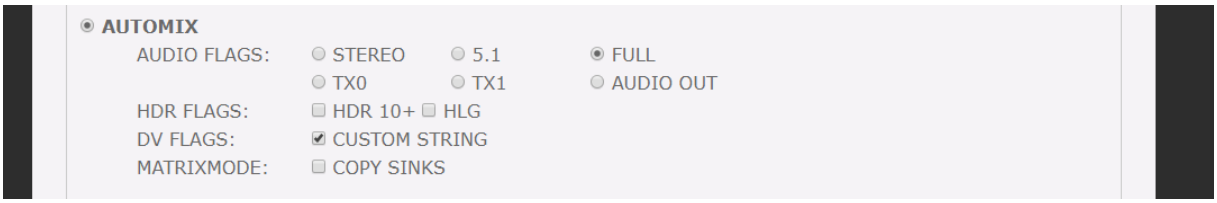
VERTEX 2

TAILORED FOR AV PURISTS

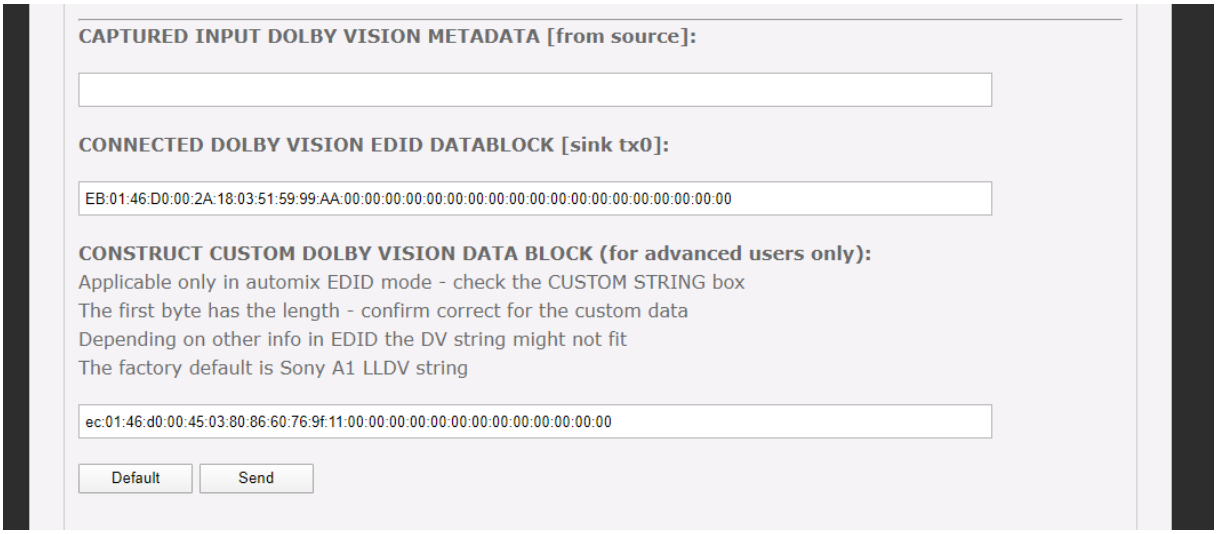
FW 0.40 - AUTOMIX routines rewritten:

Due to limited available space in EDID and more devices coming out with their original EDID nearly full such as TV with DV/HDR10+ and eARC support or latest AVR, we decided to fully rewrite the automix routines as some users report showed that mixing such full or nearly full EDID was problematic. Lot of EDID flags were removed but all caps are still mixed if present in Sink EDID.

Automix Algos were removed and now always default to MAX video/MAX audio. Algos were inherited from Integral1 that did not have any scaling capabilities. With Vertex2 scaling capabilities, such algos are not relevant anymore. HDR10+ specific flag was added and DSD capability was removed from AUDIO Flag but still mixed if present. Audio flag now have some priority so that if TX0 is selected but sink not active then TX1 is used. If TX1 is selected but not turned on then TX0 is used. If AUDIO OUT is selected but not connected, then TX0 is used if active and finally TX1 is used if TX0 is also off. This should results in best possible Audio for any connected and active sinks.



Additionally, we made an editable DV custom string, when enabled this allow you to force and define the DV custom string of your choice (default is Sony A1 LLDV). This feature is for advanced users only.



Finally, we fulfilled config export with more status/feedback on any input or output in order to diagnose and help solving issues in a more efficient way, HPD, Rsense, TMDS and 5V status are now provided in any export.

```
"tx0hpd": "on",
"tx0rs": "on",
"tx0tmds": "on",
"tx1hpd": "on",
"tx1rs": "on",
"tx1tmds": "on",
"txaudhpd": "1",
"txaudrs": "1",
"rx0in5v": "on",
"rx1in5v": "off",
"rx2in5v": "off",
"rx3in5v": "off",
```

If even with the above changes some sinks EDIDs cannot be fully mixed, we now have an indicator in config that will let us know immediately if some capabilities have been dropped.

```
"edidoverflow": "0",
```

To all our supporters and users, we wish you a great start for the New Year!