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# Released Engineering Change Note

**RECN 2606**

**Xone:DB2 Xone:DB4**

**Increased output level**

The original Xone:DB2 and Xone:DB4 Booth and Main Mix outputs operate at the industry standard +4dBu nominal, with a maximum output of +16dBu. Main mix residual output noise is -94dBu un-weighted.

This is the optimum combination of headroom and residual noise, however some customers have requested a higher output level in order to interface with club sound systems that have been attenuated to combat DJs running Pioneer DJM mixers at maximum output.

To implement the higher output the Connector PCB AG7483 schematic has been up-issued to issue 6.1. to include resistor value changes to the EBOS circuits. This PCB is used in both the XONE:DB2 & DB4 mixers (with a slightly different loading).

It is not considered necessary to alter the output levels of current mixers but can be done if a customer demands it.

The revised circuitry increases the maximum output to +24dBu, but note that the main mix residual noise will also be increased to -86dB.

New connector PCB assemblies have been created with the revised component values:

004-355 will replace 004-069 (XONE:DB4)

004-356 will replace 004-279 (XONE:DB2)

All new Xone:DB mixers will use the later assemblies.

**Implemented UK: August 2012**

**Implemented China: XDB4/X-332901 All DB4 & DB2 with s/n higher than 901**

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