MX34 DSP Enabled Console Switching System



Specifications

Analogue Inputs:

Consoles A/B/C 3 x 4, 24-bit, 96kHz conversion; max input level +21.5dBu; dynamic range typ. 116dB ackground Music (Stereo Line) Stereo unbalanced 3.5mm front panel jack, 2 x rear panel balanced XLR (in parallel)

24-bit, 96kHz conversion; variable gain -INF to +20dB; max input level +21.5dBu

anced front panel XLR, rear balanced XLR (in parallel)

24-bit, 96kHz conversion; variable gain -50dB to +50dB; 48V phantom power; EIN (150R) -127dBu **AES Inputs:**

3 x (2+2), with individual pair sample rate conversion

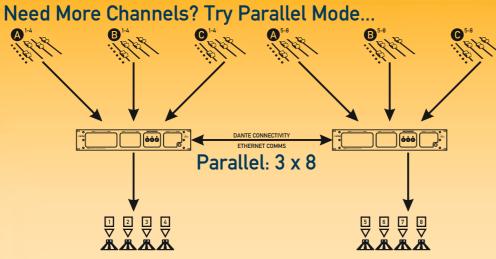
Analogue Outputs:

4 x balanced XLR, max output +21.5dBu; Analogue In-Out THD+N typ. <0.002%; dynamic range typ. 114dB **AES Outputs:**

2 x 2 , 48kHz or 96kHz (native) internal word clock, or sync to optional external BNC word clock Mxutility software allows fixing of sample rate at 48K or 96K, ignoring external word clock if required

General Purpose Input (GPIO port)

2 x GPI : Allow connection to allow 3rd party control for a) Muting b) Muting & Emergency Mic and/ or pre recorded emergency announcement on the stereo line input. This operation is configured using Mxutility software.



Parallel 3 x 8

3 Sets, but each with 8 inputs with full redundancy, and 8 outputs. Mic and stereo line inputs are available across all outputs. Console select and failover source selection on either unit is automatically reflected across both.

MXControl Software



MXControl Whilst all source selction and switching is controllable via the front panel this PC software allows remote ethernet monitoring of all input and output levels, it provides bi direction control / indication of Console Selects, Source Selects and Mic / Line Selection.

MXUtility PC Software provide configuration 2 xGPI for alarm integration, special AES modes for 2 channel source flexibility and fixed ip address operation.

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3 x Sets (A,B & C) x 4 Input Channels 2 x Redundant Sources per Set (Analogue, AES) Fully Automatic Failover of Inputs



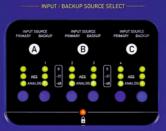
CONSOLE SWITCHING with REDUNDANCY

www.xta.co.uk

4 x Outputs (Analogue and AES simultaneously)

Local Stereo Line + Mic Pre

Monitor Every Line



The **MX Series** from XTA [⊿]Dante[™]



MX34 DSP Enabled Console Switching System

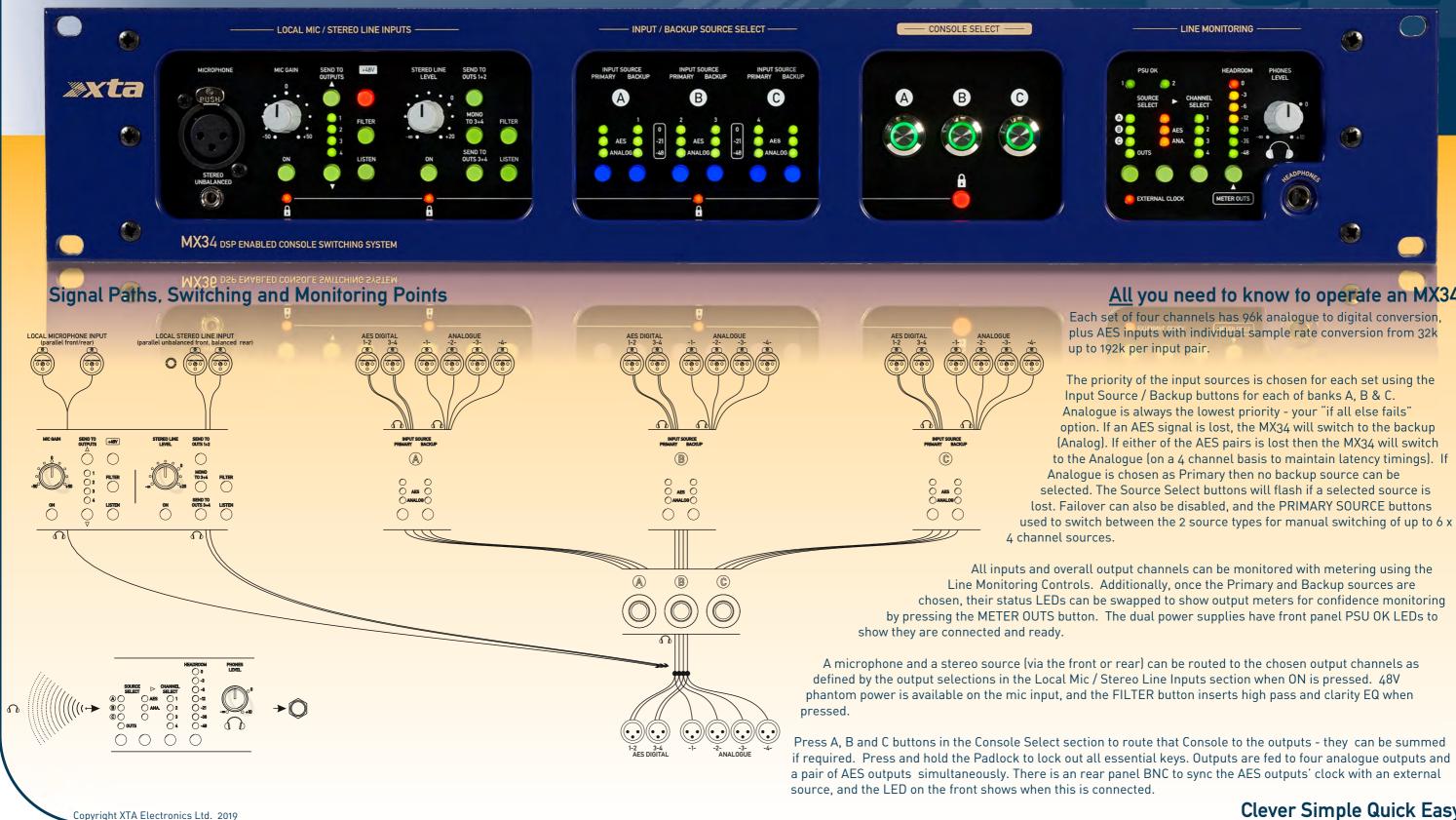
Clever Simple Quick Easy

When you need to ensure that the show goes on, no matter what happens, you need backups of backups. You need a way to automatically switch between them when the signal path drops out. You need the ability to work with any sample rate on any input. To perform this across not just stereo pairs, but four channels simultaneously. With no software, no PC and definitely no way for this to be tampered with.

The MX34 is the solution. It handles four simultaneous inputs across two source types (analogue and AES - a total off 24 individual inputs) and even when you're not monitoring a source it will be it will be checking the signal integrity and will auto-select the highest priority source seamlessly if anything fails.

All you have to do is press A, B or C to choose what's routed to the four outputs (again all available in analogue, AES flavours simultaneously with the option for external sync). Feed in a stereo source direct to the MX34 for background music and a mic for announcements. Plug in some headphones and monitor every individual feed from any source, plus check what's on the outputs.

Once you're happy, lock it all down and walk away, safe in the knowledge that the MX34 will keep the music playing, with optional dual redundant power supplies, and XTA's 25+ years of DSP knowledge ensuring your audio is treated with kid gloves through the best audio conversion.



All you need to know to operate an MX34

Clever Simple Quick Easy