

DP6i

Audio Installation Controller

For the finest audio quality throughout any venue

- 2 input / 6 output audio installation controller
- 4 front panel memories/configurations
- Proven control interface – AudioCore – for fast, easy set-up
- Tamper-proof technology
- System “panic” mute
- Unit “shadow” facility to simplify complex systems and easily increase outputs
- The finest audio quality, as already specified by the world’s top recording studios, theatres and artists

The DP6i continues XTA’s reputation for sound quality in a unit designed for the most demanding applications of the installed sound market, where audio quality and system control are critical.

The unit features 2 inputs and 6 outputs. Both inputs have an 8 band parametric equaliser, base delay and gain control. All outputs feature crossover filters, 5 band parametric equaliser, high and low shelving filters, limiter and delay. Full metering is provided for inputs and outputs, with a mute button for instant system control in emergencies.

For added tamper-proof security, the unit has a ‘Safe’ switch internally selectable to disable all front panel controls, and the ability to separately disable just the panel memory recall switches.

Up to 32 DP6i can be controlled from a single PC with XTA’s proven AudioCore Windows™ control software, with the ability for further units to shadow those 32 ID numbers for an unlimited number of system outputs.

Hundreds of venues worldwide rely on XTA processing, including:

- AQUA, Grays, Essex, UK • Boston Symphony Hall, USA • Bridge & Tunnel, Shoreditch, UK •
- Centro Fly, New York, USA • Cherry Jam, Royal Oak, London, UK • Club One, Cork, Eire •
- Coliseum, Halifax, UK • Empire, Brisbane, Australia • Espionage, Aberdeen, UK •
- Heaven & Hell, Stockport, UK • Kelly’s, Portrush, Northern Ireland •
- Mahony Hall, Dublin City University, Eire • Marquee Restaurant/Club, Islington, UK •
- Ministry, Aberdeen, UK • New Era, Hong Kong • Nightingale, Birmingham, UK •
- Oceania, Milton Keynes, UK • Oyster Quay Bar, Poole, UK •
- p60, Amstelveen, nr Amsterdam, Netherlands • Pantiles, Bagshot, Surrey, UK •
- Plan B, Brixton, UK • Platinum Disco Lounge, Johor Baru, Malaysia • Roxy, New York, USA •
- Soda Bar, Derby, UK • Sound Bar, Chicago, USA • Sound Factory, New York, USA •
- SPIN, Miami, USA • Spirit, Dublin •

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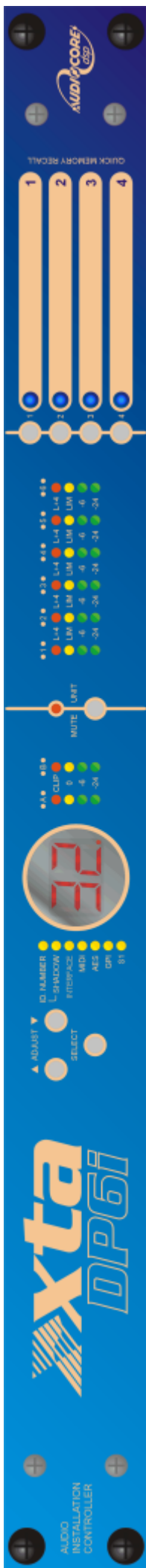
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email: info@xta.co.uk

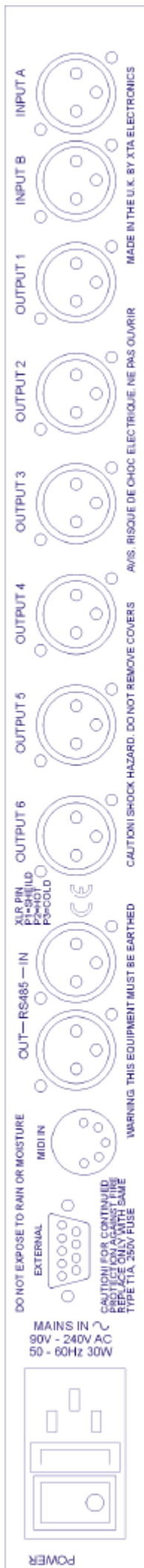
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TOTAL CONTROL

AudioCore Windows™ control software gives the user instant and intuitive control over all the parameters of the DP6i. Click on any unit's function block and the parameters for that function are immediately available and adjustable. All parameters can be adjusted via mouse or keyboard, including the versatility now offered by wireless solutions – setup the system from any area.

AudioCore enables centralised control of up to 32 DP6i units. It offers the ability to quickly view, set or change configurations and or parameters on multiple units. Equalisation curves are accessible for each input and output, allowing precise equalisation adjustments to be made. Mute and solo functions ease system troubleshooting. Full memory support is provided allowing the system to be disconnected from the software and run in a simple MIDI or closed contact memory recall mode.

The Output Control screen gives the user control over Highpass and Lowpass filters for both frequency and slope enabling speedy setting of the crossover function. All parametric Equalisers are controllable by direct curve dragging or normal mouse/keyboard control. In curve dragging both frequency and gain locking are available.

The units have built in interfaces for RS232, RS485 and MIDI. The RS232 and MIDI inputs are relayed out of the RS485 bus allowing multiple units to be easily cascaded. A general purpose interface option is available, allowing remote memory switching and instant system changes for a venue with varied requirements at different times.

Specifications

Inputs: 2 electronically balanced ◆
 Impedance: > 10k ohms.
 CMRR : >65dB 50Hz - 10kHz.

Outputs: 6 electronically balanced ◆
 Source Imp: < 60ohms
 Min. Load: 600ohm
 Max. Level: +20dBm into 600 ohm

Frequency Resp.: ±½dB 20Hz-20kHz
 Dyn Range: >110dB 20Hz-20k unwt'd
 Distortion: < .02%@1kHz, +18dBm
 Maximum Delay: 650 mS
 Min Step Size: 2.6 µS
 Input Gain: +6dB to -40dB in 0.1dB steps
 Output Gain: +15dB to -40dB in 0.1dB steps and mute

Parametric Equalisation

8 per Input / 5 Sections per Output Filter Gain: +15dB to -30dB in 0.1dB steps.
 Freq. Range: 20Hz - 20kHz, 1/36 octave steps. (368 positions)
 Filter Q / BW: 0.4 to 128 / 2.5 to 0.008
 (Sections switched to shelving response)
 Low frequency: 20Hz - 1kHz
 High frequency: 1kHz - 20kHz
 Shelf gains: ±15dB in 0.1dB steps.

Limiters

Threshold: +22dBu to -10dBu
 Attack time: 0.3 to 90 milliseconds
 Release time: 2/4/8/16/32 x Attack time

High and Lowpass Filters

Filters: 1 of each per output.
 Freq. Range HPF: 10Hz - 16kHz
 1/36 octave steps.
 Freq. Range LPF: 35Hz - 22kHz
 1/36 octave steps.
 Responses:
 Bessel/Butterworth 12-18-24dB/Oct. Linkwitz-Riley 24dB/Oct.

Input meter: 2 x 4 point, -24dB to digital clip.
 Output meter: 6 x 4 point, -24dB to +4dB into limit.

Connectors

Inputs: 3 pin female XLR
 Outputs: 3 pin male XLR.
 MIDI In: 5 pin DIN
 External: 9 pin DEE connector (RS232)
 RS485: 3 pin male XLR (out) 3 pin male XLR (in)
 Power: 3 pin IEC

Power: 60 to 250V ±15% @ 50/60Hz.
 Consumption: < 20 watts.
 Weight : 3.5kg. Net (4.8kg. Shipping)
 Size: 1.75"(1U) x 19" x 11.8"
 (44 x 482 x 300mm) excluding connectors.

Options ◆ = Transformers available.

Optional Interfaces

AES/EBU Digital Input/Output
 Due to continuing product improvement the above specifications are subject to change.