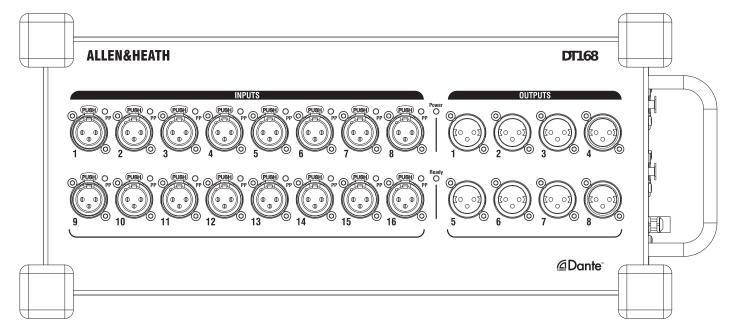


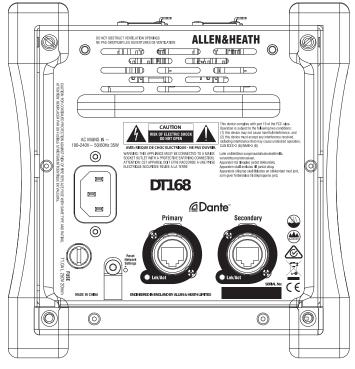
Allen & Heath Limited Kernick Industrial Estate Penryn, Cornwall, TR10 9LU, UK www.allen-heath.com

DT168 Technical Datasheet

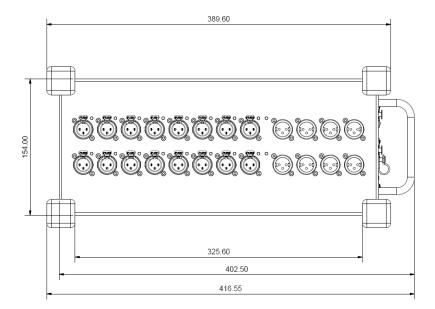
Overview

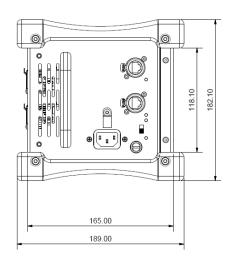
- 16 Mic Preamps on XLR
- Phantom Power LED per Input
- 8 XLR Line Outs
- Dante Primary connection with locking Ethercon port
- Dante Secondary locking Ethercon port for daisy chaining or redundancy
- Rubber bumpers
- Carry handle
- Optional rack mount kit available





Dimensions





A&E Specifications

The unit shall be a portable remote audio device for Dante enabled Allen & Heath mixing systems. The remote audio unit shall provide 16 XLR inputs with individually configured Phantom Power and 8 XLR outputs. Phantom power LED indicators shall be provided per input socket on the remote audio rack. The unit shall be able to provide 48kHz or 96kHz sample rate on a Dante network.

Two Ethercon connectors shall be provided for transport of the digital audio and control signals over Dante. The unit shall be able to operate in 'redundant' or 'switched' mode by means of software. In 'redundant' mode the unit shall provide full redundant connection to any Dante enabled device. In 'switch' mode the unit shall allow daisy chained connection of multiple units. The unit shall have a hardware "Network reset" switch.

The Ethernet protocol shall provide control to the remote preamp, and all mic preamps shall be recallable by the mixing system.

The remote audio unit shall have a robust steel chassis and shall be designed to be portable and to be placed horizontally or vertically on the stage or performance environment.

A carrying handle shall be provided to facilitate lifting and holding the device when moving and an optional padded dust cover shall be available.

An optional 19" rack mounting kit shall be available.

The remote audio unit shall have a built-in power supply accepting AC mains voltages of 100~240V, 50/60 Hz, 40W max via an earthed 3-pin IEC male connector mounted on the rear chassis.

Recommended operating temperature for the remote audio unit shall be 0 to 40 degrees Celsius.

The unit shall be the Allen & Heath DT168.

System Specification

Mic/Line XLR Inputs Balanced, +48V Phantom Power

Mic/Line Preamp Fully recallable Input Sensitivity -60 to +15dBu

Analogue Gain +5 to +60dB, 1dB steps
Pad -20dB Active PAD

Maximum Input Level +30dBu (PAD in)

Input Impedance $>4k\Omega$ (Pad out), $>10k\Omega$ (Pad in)

Mic/Line Channel noise 22-22kHz, Direct Out @ unbalanced out

Mic EIN -127 dB with 150Ω source

Unity gain (Pad in) -90dBu
Low gain (5dB, Pad out) -96dBu
Mid gain (30dB, Pad out) -90dBu

Mic/Line Channel THD+N22-22kHz, Direct Out @ unbalanced outUnity gain (Pad in)0.003% -88dBu @ 1kHz, OdBu outputLow gain (5dB, Pad out)0.002% -93dBu @ 1kHz, OdBu outputMid gain (30dB, Pad out)0.003% -88dBu @ 1kHz, OdBu output

Analogue XLR Outputs Balanced, Relay protected

Output Impedance <75Ω

Nominal Output +4dBu = 0dB meter reading

Maximum Output Level +22dBu

Residual Output Noise -92dBu (muted, 20-20kHz)

DANTE

Sample rate 48kHz or 96kHz

Bit Depth 24 Bit

Gain, Pad, 48v Control Allen & Heath dlive or SQ system

Operating Temperature 0 deg C to 40 deg C

(32 deg F to 104 deg F)

Mains Power 100-240V, 50/60 Hz, 40W max

Dimensions and Weight Width x Depth x Height x Weight

410mm x 190mm x 185mm x 4.6kg

(16.1" x 7.5" x 7.3" x 10.1lbs)