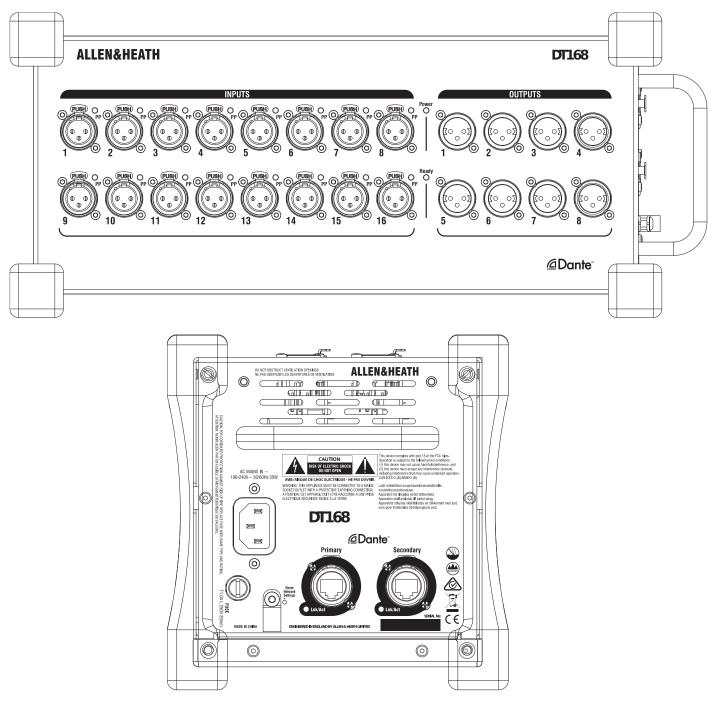
# ALLEN&HEATH

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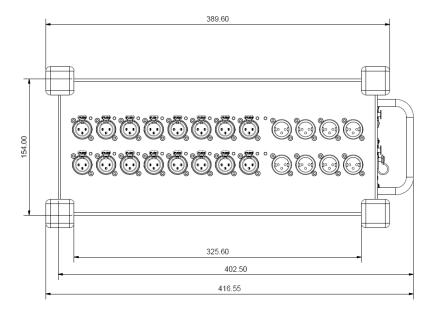
# **DT168 Technical Datasheet**

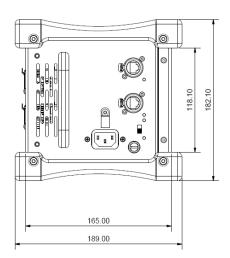
#### Overview

- 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  $100 \sim 240V$ , 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

Mic/Line Preamp Input Sensitivity Analogue Gain Pad Maximum Input Level Input Impedance

#### Mic/Line Channel noise

Mic EIN Unity gain (Pad in) Low gain (5dB, Pad out) Mid gain (30dB, Pad out)

### Mic/Line Channel THD+N Unity gain (Pad in)

Low gain (5dB, Pad out) Mid gain (30dB, Pad out)

## Analogue XLR Outputs Output Impedance Nominal Output Maximum Output Level Residual Output Noise

DANTE Sample rate Bit Depth Gain, Pad, 48v Control

#### **Operating Temperature**

**Mains Power** 

**Dimensions and Weight** 

Balanced, +48V Phantom Power Fully recallable -60 to +15dBu +5 to +60dB, 1dB steps -20dB Active PAD +30dBu (PAD in) >4kΩ (Pad out), >10kΩ (Pad in)

22-22kHz, Direct Out @ unbalanced out -127dB with 150Ω source -90dBu -96dBu -90dBu

22-22kHz, Direct Out @ unbalanced out
0.003% -88dBu @ 1kHz, 0dBu output
0.002% -93dBu @ 1kHz, 0dBu output
0.003% -88dBu @ 1kHz, 0dBu output

Balanced, Relay protected <75Ω +4dBu = 0dB meter reading +22dBu

-92dBu (muted, 20-20kHz)

48kHz or 96kHz 24 Bit Allen & Heath dLive, Avantis, AHM-64 or SQ system

0 deg C to 40 deg C (32 deg F to 104 deg F)

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

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)