Networked Audio Receiver / Transmitter
NBB-04R / NBB-04T

- Dante-enabled networked Audio Receiver (NBB-04R) and Transmitter (NBB-04T)
- Streaming audio in robust standard Ethernet cable (a.k.a., Digital Snake)
- Easily organize and expand network topology with Ethernet switches
- Uncompressed 24-bit PCM coding with sample rate up to 96KHz
- Two RJ-45 ports make Daisy-chain cascading feasible
- Powered by either PoE or 48V adapter
- Gain or Attenuate control for each channel
- Phantom power engagement control per channel (NBB-04R)
- A signal clip indicator for all inputs (NBB-04R)
- XLR Combo sockets for both XLR and phone plugging (NBB-04R)
- Routing and other configuration are set with Dante Controller software

Applications:

Direct Connecting to Notebook or Console
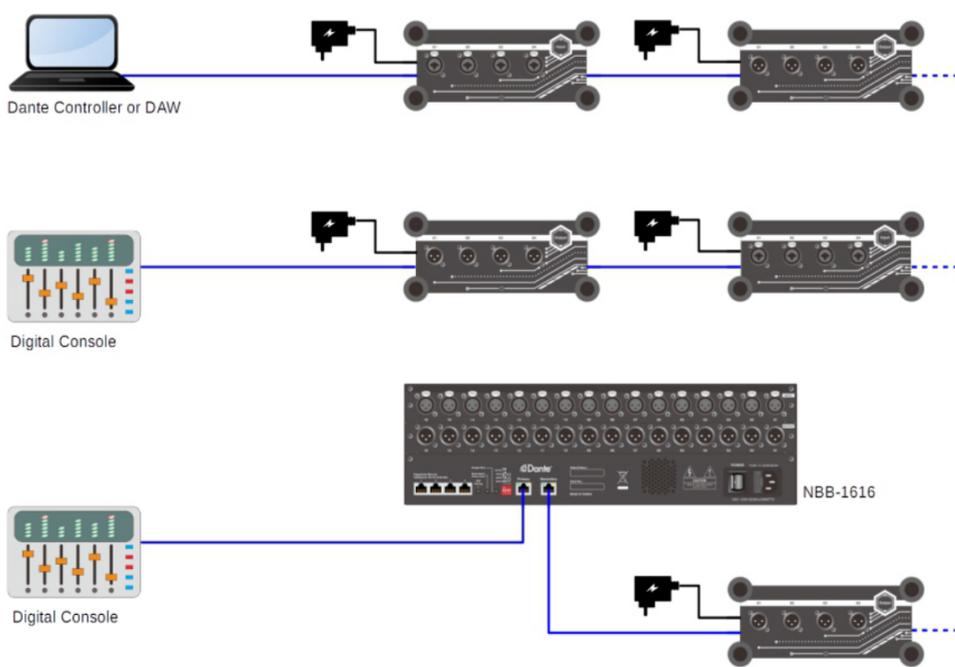
Connecting via Ethernet Switch
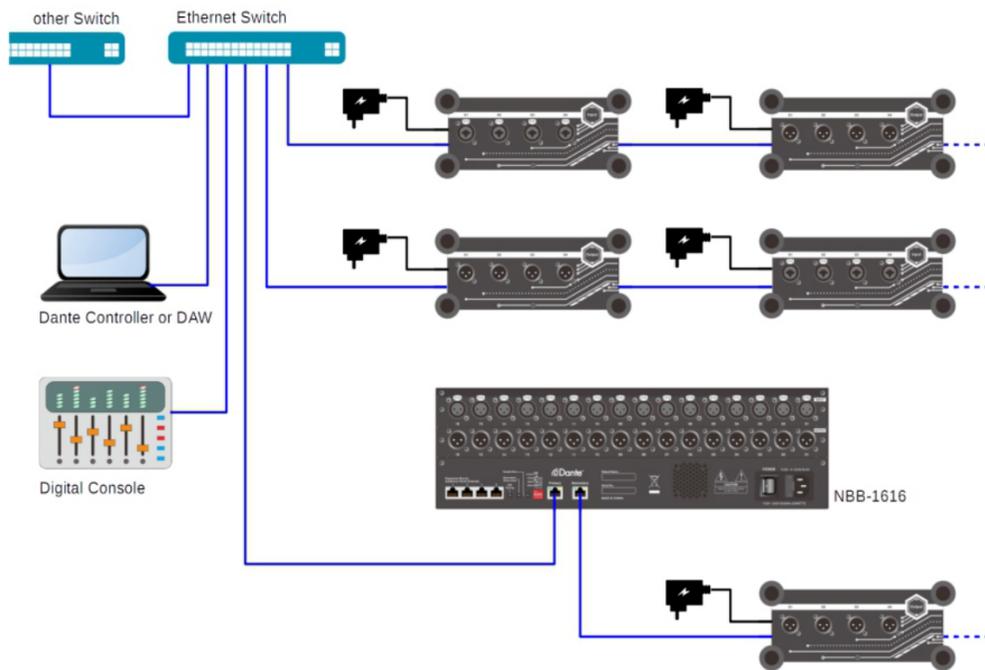
Connecting via Switch with PoE PSE Capability
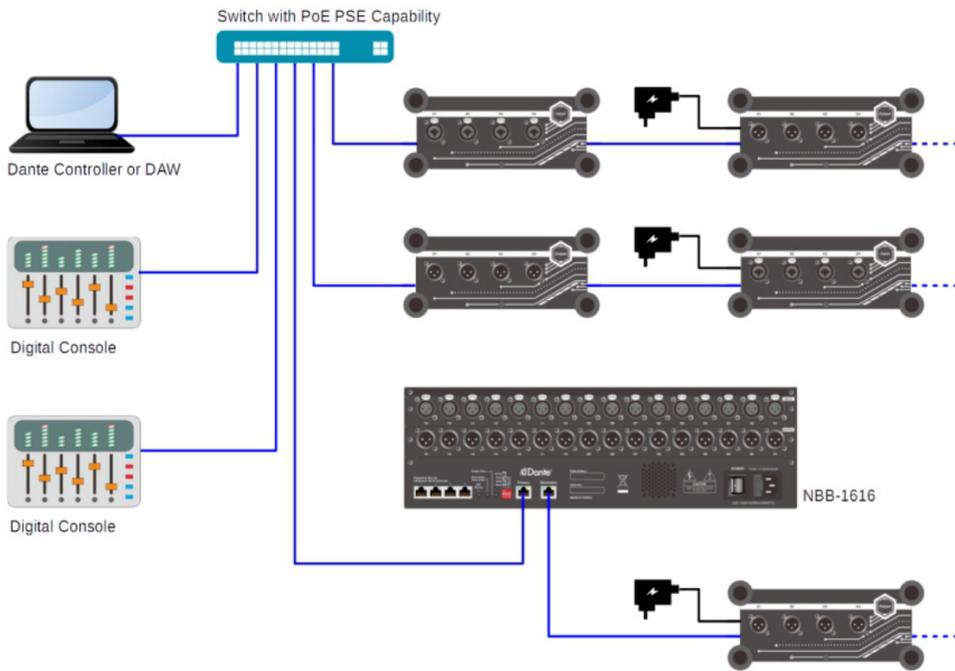
SPECIFICATIONS

	NBB-04R	NBB-04T
Channel Capacity	x4 Inputs	x4 Outputs
Audio Connector	XLR/TRS Combo	XLR
Level	24dBu max.	24dBu max.
Clip Indicator	x1	N.A.
Gain/Volume Control	60dB Rotary	-20dB Rotary
+48V Phantom Power	ON/OFF per Input	N.A.
Digitized Scaling	0dBFS @24dBu	0dBFS @24dBu
Encoding	Uncompressed 24-bit PCM	Uncompressed 24-bit PCM
Sample Rate	44.1KHz / 48KHz / 96KHz	44.1KHz / 48KHz / 96KHz
Ethernet	x2 Gigabit RJ45 Ports	x2 Gigabit RJ45 Ports
Networking Mode	Switch Mode (a.k.a. Daisy-chain Mode)	Switch Mode (a.k.a. Daisy-chain M
Node to Node Distance	100m with Cat.5e Cable	100m with Cat.5e Cable
Audio Latency	< 2ms typical	< 2ms typical
Audio Flows	x2 (unicast + multicast)	N.A.
Frequency Response	20Hz ~ 20KHz ±0.5dB	20Hz ~ 20KHz ±0.5dB
S/N Ratio	> 100dB @0dBFS	> 110dB @0dBFS
THD + Noise	< 0.002% @-10dBFS	< 0.001% @-10dBFS
Dynamic Range	>100dB	>110dB
Crosstalk	< -100dB @10KHz	< -120dB @10KHz
Power by Adapter	48VDC, 0.25A (rated)	48VDC, 0.25A (rated)
Power by PoE	55VDC, 0.25A (rated)	55VDC, 0.25A (rated)
Power Consumption	< 6 Watts	< 6 Watts
Operation Temperature	0~45℃	0~45℃
Operation Rel. Humidity	0~90%	0~90%
Construction	Metal Chassis with Shock Dampers	Metal Chassis with Shock Dampe
Dimensions (HxWxD)	67mm x 237mm x 114mm	63mm x 237mm x 114mm
Weight	900 g	860 g

〈The above information is subject to change without notice.〉