# OMNITRONIC NAT-22 Audio transmitter

CobraNet(TM) audio network transmitter

**Art. No.: 10356490**

GTIN: 4026397280821

## The article is no longer in our assortment.

### Description:

CobraNet(TM) Audio network technology

Developed by Peak Audio, CobraNet(TM) technology allows real-time uncompressed digital audio distribution over industry standard 100Base-T Ethernet networks. Based on the Ethernet-MAC-protocol, it is possible to reach an isochronous, i. e. a highly reliable datastream with very low latency and a bandwidth of 100 Mbit/s.

CobraNet(TM) technology allows the transport of isochronous datastreams required by audio and video applications in 10 and 100 MBit Ethernet networks where an upgrade to e.g. 1 GBit is always possible. Additionally, CobraNet(TM) technology can carry asynchronous control data without conflict to the isochronous data.

Up to 64 channels (20 Bit/48 kHz) can be carried simultaneously over a category 5 cable. CobraNet(TM) currently supports a 48 kHz sampler frequency with a 16, 20, or 24 bitrate. A respectively configured network can handle up to 3000 audio channels. When using category 5 cables, a maximum cable-length of 100 m should not be exceeded.

As CobraNet(TM) consists of standard Ethernet-components available in the IT retail business, high quality products can be bought at a competitive price.

CobraNet(TM) devices can coexist with networked computers, printers, etc. on a switched 100Base-T Ethernet network, however, a dedicated network infrastructure is strongly recommended.

### Logistic

EAN / GTIN: 4026397280821
Weight: 9,00 kg
Length: 0.55 m
Width: 0.46 m
Heigth: 0.24 m

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## Features:

- Real-time audio transmission of the CobraNet(TM) signal
- 2 analog input channels (bal.)
- 2 analog input channels (bal.)
- CobraNet(TM) and Ethernet connection port
- Independent MCU control for running the transmitter without a PC
- Every channel can be controlled independently
- Firmware can be updated via RS-232 port
- All setup parameters can be stored in permanent flash memory
- Redundant network connection
- Operation possible without PC after configuration
- Automatic ajdustment to regional power supply systems
- Transmission of up to 64 channels (20 bit/48 kHz) via category 5 cable
- 48 kHz sampler frequency with a bitrate of 20
- Maximum cable length 100 m (category 5 cables)
- Incl. mounting brackets for 483 mm rack installation (19") (2 U)

## Technical specifications:

| | |
|---|---|
| Power supply: | 100-240 V AC, 50/60 Hz |
| Power consumption: | 30.00 W |
| Dimensions: | Width: 43 cm<br>Depth: 33 cm<br>Height: 8.9 cm |
| Weight: | 7.10 kg |
| DSP capability: | 200 MIPS, 40 bit floating point |
| 2 RJ-45 network connectors: | according to IEEE 802.3 standards |
| 2 RS-232 connectors: | type D (9 pins) |
| Analog audio inputs: | |
| Number of channels: | 2 (XLR, bal.) |
| Sampler frequency: | 48 kHz |
| Quantization resolution: | 20 Bit |
| THD: | 0.005 % (+4 dBu) |
| Dynamic range: | 103 dBA |
| Input gain adjustment: | 0-66 dBu |
| Maximum input level: | +21 dBu (bal.) |
| Input impedance: | 20 kohms |
| Analog audio outputs: | |
| Number of channels: | 2 (XLR, bal.) |
| Sampler frequency: | 48 kHz |
| Quantization resolution: | 20 bit |
| Frequency range: | 20-20000 Hz, ±0.2 dB |
| THD: | 0.005 % (+4 dBu) |
| Dynamic range: | 103 dBA |
| Maximum output level: | +21 dBu (bal.) |
| Output impedance: | 100 ohms |
| Dimensions: | 430 x 89 x 330 mm |
| | Rack installation with 2 U with brackets |

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