

# INT-TXO Transmitter OMNEO

## INTEGRUS



The INT-TXO is the central element in the INTEGRUS system that allows INTEGRUS to interact with the DICENTIS Conference System. The INT-TXO modulates the signals into carrier waves and transmits them to the radiators in the room. When connected to a DICENTIS system, the Transmitter OMNEO is fully controlled by DICENTIS and does not require any configuration. The INT-TXO can also be used in Manually controlled mode. In this operation mode, the device is able to receive a combination of DICENTIS and Dante sources for maximum flexibility.

### Functions

- The Transmitter OMNEO can be connected to, and controlled by, a DICENTIS system. In this setup, it can also be powered through a DICENTIS cable, including the RSTP functionality
- The INT-TXO can also be set to Manually controlled mode to support both DICENTIS and Dante sources. In this mode, you can configure the sources through the INT-TXO web page, which enables you to setup a system more suitable to your needs.
- The INT-TXO can be switched to the slave mode to act as a repeater of another INT-TXO. In this case, the signal is received through the coaxial input and synchronizes with the master INT-TXO. The slave mode is enabled through a switch on the rear of the device
- Once the INT-TXO is in standby, the radiators go to power saving mode. This reduces power consumption and increases the lifespan of radiators

- ▶ It can be integrated with the DICENTIS Conference System or used in Manually controlled mode
- ▶ Supports DICENTIS and Dante sources
- ▶ 4 channels out of the box
- ▶ Up to 28 licenses can be added to the INT-TXO for a total of 31 languages and 1 floor
- ▶ Infrared allows freedom of movement for participants

- If the AUX input on the rear is activated, the audio transmitted to the analog AUX audio input is distributed to all the infrared channels configured in the INT-TXO

### Controls and indicators

- System and radiator status visible at the front of the device
- Two LEDs are located near each Ethernet connector

### Interconnections

- Different power options that do not influence each other:
  - DC wall adapter
  - DICENTIS
  - PoE
- One BNC connector for accepting a HF signal from another transmitter. The INT-TXO includes a switch to set the transmitter as a slave to another transmitter with synchronized audio
- Six BNC connectors to send HF signal to up to 30 radiators per output, transmitting to a total of 180 radiators
- Power through the DICENTIS system cables
- Two DICENTIS connectors compatible with RJ45 connectors for:
  - Loop through in a DICENTIS system, including RSTP
  - Powering through PoE.

**Sources and channels**

In both operation modes, DICENTIS controlled and Manually controlled, the INT-TXO supports four sources (input channels) when it is out of the box:

- To increase the number of sources you need to add INT-L1AL licenses
- Each INT-L1AL license increases the number of sources by one

If the INT-TXO is connected to the DICENTIS system, the operation mode is set to DICENTIS controlled. In this case, the following applies:

- With the addition of licenses, the INT-TXO can support up to 32 DICENTIS sources: the floor plus 31 interpretations
- The audio quality is set to standard and the audio mode is set to mono. These settings apply to all sources and cannot be changed
- Each DICENTIS source, which is standard and mono, consumes one output channel

If the operation mode is set to Manually controlled, the following applies:

- With the addition of licenses, the INT-TXO can support up to 32 sources. These can consist of:
  - Only DICENTIS sources
  - Only Dante sources
  - A combination of DICENTIS and Dante sources
- The audio quality of the DICENTIS and Dante sources can be set to standard or premium:
  - The audio quality you set applies to all sources
  - Setting the audio quality from standard to premium decreases the number of available channels by half because it consumes double the infrared bandwidth
- The DICENTIS sources are set to mono and this setting cannot be changed
- The Dante sources can be set to mono or stereo:
  - Each stereo source consumes two output channels
  - Two INT-L1AL licenses are required per stereo source
- The configuration of each source determines the number of channels it consumes:
  - A standard mono source consumes one output channel
  - A standard stereo source consumes two output channels
  - A premium mono source consumes two output channels
  - A premium stereo source consumes four output channels

The number of sources that the INT-TXO can transmit depends on:

- The number of INT-L1AL licenses
- The carrier management:

- The INT-TXO has eight carriers available
  - Each carrier allocates four output channels
  - The settings of the sources
- For example, when the INT-TXO is out of the box and in Manually controlled mode, you can:
- Set all sources to mono and standard:
    - Each source consumes one output channel
    - Four output channels are consumed in total
    - Each carrier can host four mono standard sources, which means the four sources are hosted by one carrier
  - Set all sources to mono and premium:
    - Each source consumes two output channels
    - Eight output channels are consumed in total
    - Each carrier can host two mono premium sources, which means the four sources are hosted by two carriers

**Installation/configuration notes**

This is a professional product that should be installed, used and maintained by trained professionals only.

**Parts included**

Quantity	Component
1	INT-TXO Transmitter OMNEO
1	DC wall adapter
2	19" rack mounting bracket
4	Detachable foot
1	Quick installation guide
1	Safety and security information

**Technical specifications**

**Electrical**

Power consumption (W)	10 W
Nominal voltage (VDC)	48 VDC
PoE input	PoE IEEE 802.3af Type 1, Class 3; PoE IEEE 802.3at Type 1, Class 3
Battery type (included for backup reasons)	Lithium
Typical battery life (years)	7
XLR input	

Nominal input level (dBV) @ 0 dB gain setting	-18 dBV
Maximum input level (dBV) @ 0 dB gain setting	12 dBV
Maximum input level (dBV) @ -6 dB gain setting	18 dBV

**Mechanical**

Mounting type	Rack-mounted; Tabletop
Dimensions (H x W x D) (mm)	44.45 mm x 442 mm x 390 mm
Dimensions (H x W x D) (in)	1.75 in x 17.40 in x 15.35 in
Color (RAL)	RAL 9017 Traffic black

**Environmental**

Operating temperature (°C)	5 °C – 45 °C
Operating temperature (°F)	41 °F – 113 °F
Storage temperature (°C)	5 °C – 45 °C
Storage temperature (°F)	41 °F – 113 °F
Transportation temperature (°C)	-30 °C – 70 °C
Transportation temperature (°F)	-22 °F – 158 °F
Operating relative humidity, non-condensing (%)	5% – 95%

**Ordering information**

**INT-TXO Transmitter OMNEO**  
 Integrus 4-channel transmitter.  
 Order number **INT-TXO | F.01U.351.763**

**EWE-INTPRC-IW 12 mths wrty ext Integrus Pocket Receiv**  
 12 months warranty extension  
 Order number **EWE-INTPRC-IW**

**EWE-INTRAD-IW 12 mths wrty ext Integrus Radiator**  
 12 months warranty extension  
 Order number **EWE-INTRAD-IW**

**EWE-PKTRVR-IW 12 mths wrty ext Pocketreceiver**  
 12 months warranty extension  
 Order number **EWE-PKTRVR-IW**

**Accessories**

**LBB4511/00 Radiator for medium size area**  
 Integrus medium-power radiator to cover up to 1300 m<sup>2</sup> (13993 ft<sup>2</sup>).  
 Order number **LBB4511/00 | F.01U.074.362**

**LBB4512/00 Radiator for large size area**  
 Integrus high-power radiator to cover up to 2600 m<sup>2</sup> (27986 ft<sup>2</sup>).  
 Order number **LBB4512/00 | F.01U.074.363**

**LBB4540/04 Pocket receiver for 4 languages**  
 Integrus 4-channel pocket receiver.  
 Order number **LBB4540/04 | F.01U.508.294**

**LBB4540/08 Pocket receiver for 8 languages**  
 Integrus 8-channel pocket receiver.  
 Order number **LBB4540/08 | 4.998.599.036**

**LBB4540/32 Pocket receiver for 32 languages**  
 Integrus 32-channel pocket receiver.  
 Order number **LBB4540/32 | 4.998.599.037**

**Software Options**

**INT-L1AL 1 Additional language license**  
 License to add one language channel to INT-TXO.  
 Order number **INT-L1AL | F.01U.406.605**

**Services**

**EWE-INTTXO-IW 12 mths wrty ext Transmitter OMNEO**  
 12 months warranty extension  
 Order number **EWE-INTTXO-IW**

**Represented by:**

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