

▶ INTUGRID DIU485 ◀

USB-TO-RS485M INTERFACE



CONTROL

CONCEPT

The DIU485 is a USB Interface for Intusonic's RS-485 enabled audio control systems, taking into account the reversed data+ and data- lines of the INTUGRID™ topology. It allows the remote control of INTUGRID™-enabled devices, and likewise enables the user/installer to configure these devices by e.g. determining source name labels or device names. Catering more for the installer than the end user, the DIU485 is hence an indispensable tool to quickly and swiftly set up an INTUGRID™-enabled system, and to check and confirm whether system communication works. It can likewise be used to trigger events manually for diagnostic purposes and to update firmware over the serial connection. Using the ubiquitous FTDI FT232RL core chip grants universal compatibility with all USB systems, and sporting TVS bus protection gives this unit industrial-grade ruggedness.

FEATURES

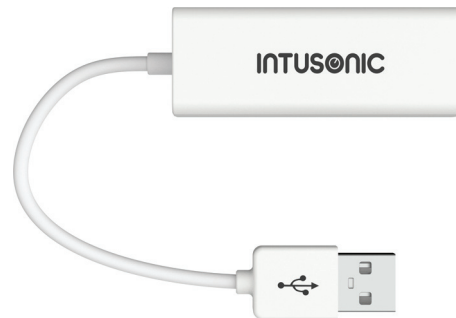
- ▶ USB-to RS485/422 interface with reversed data polarity, 300bps-912.6Kbps
- ▶ PC-side connection: USB-A plug, USB 2.0 compliant, USB Powered
- ▶ INTUGRID™-side connection: RJ45, max 32 INTUGRID™ devices
- ▶ Connection to any INTUGRID™-enabled unit via standard Cat5/Cat6 cable
- ▶ Allows remote control via INTUGRID™ command table
- ▶ Allows remote setting of source name labels and unit names, depending on product
- ▶ Allows remote diagnostics and firmware update over the serial connection
- ▶ FTDI FT232RL core chip, receive buffer: 256 byte, transmit buffer: 126 byte (FIFO)
- ▶ ESD protected data lines (15kV)
- ▶ CE/ROHS compliant

TECHNICAL DATA

| | |
|----------------------------------|------------------------------|
| Data connection..... | Intulink™ (RS485) via CAT5/6 |
| Power supply..... | USB |
| PC Connection..... | USB-A |
| INTUGRID™ connection..... | RJ45 |
| Number of INTUGRID™ devices..... | max. 32 |
| Dimensions WxDxH..... | 25x70x20 mm (w/o cable) |
| Cable length..... | 200mm |
| Weight..... | 0.03kg |

LOGISTICS DATA

| | |
|------------------------------------|---------------|
| Order Number..... | 2023001 |
| Single unit EAN-13..... | 5060502923530 |
| Single Carton (SC) size WxDxH..... | 221x110x38mm |
| SC gross weight..... | 0.05 kg |
| Units per master carton (MC)..... | n/a |
| MC size WxDxH..... | n/a |
| MC gross weight..... | n/a |



CONTROL