

# JESE RDM-TXI Interface



*This RDM interface has been developed by UK-based RDM technology leader JESE as a practical and affordable interface between a Windows PC and a DMX/RDM network.*

*RDM-TXI works with any compliant RDM device, and has been extensively tested with Tempest Digital Enclosure Control DEC3.2 and up.*

*RDM-TXI is the simplest way to monitor your Tempest enclosure installation, or to perform DEC field firmware upgrades.*

**For Use with:**

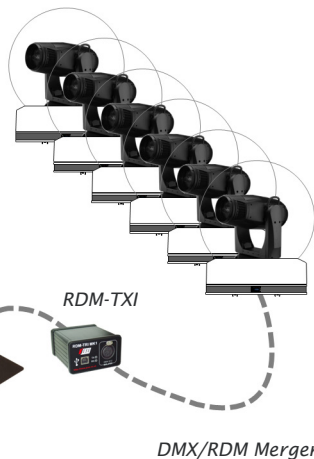
Any Tempest enclosure(s) featuring DEC 3.2 and up.  
Any RDM ANSI E1.20 compliant responder.

Part Number	Description
2000.195	JESE RDM-TXI Interface, with USB Cable, GetSet Software and Tempest Graphic User Interface

*GetSet includes spreadsheet views and a graphic dashboard plug-in for Tempest controllers DEC3.2 and up.*



*GetSet software package discovers, configures and monitors all RDM devices on the network. In this example Tempest Tornado enclosures are monitored on the same DMX line as the luminaires inside.*



Lighting Controller

**DMX512 Transmitter**

TXI generates DMX Universe frames asynchronously at rates configurable between 1 to 40 fps. Options are available to update the entire frame at once, a single slot within the frame or to insert a single frame into the transmission sequence.

**RDM ANSI E1.20 Receiver**

TXI provides synchronous and asynchronous modes for monitoring DMX Frames, giving the application the flexibility to react only when frame data changes.

**Controller**

Real time RDM protocol handling and checking means that the host application is free to make simple requests and issue instructions to all compliant devices. Onboard discovery routine discovers all compliant devices and compiles a list for the host application to query.

**Responder**

TXI will respond as a compliant RDM responder when interrogated in a network.

- RDM Protocol Aware
- On Board Discovery
- RDM Idle State Bias
- RDM Error Management
- DMX Input & Output
- 120 Ohm Termination
- DMX Socket 1kV Isolated
- Configurable Parameters
- 1 to 40 Frames/second
- Frame Break Time (BRK)
- Mark After Break (MAB)
- Triple Frame Buffers
- TX & RX Indicators
- Audio Error Indicator
- Two Command Sets
- Robust Firmware Upgrade
- Published Interface Spec