

# STX 10

## 10kW FM Transmitter

### Intelligent Design

- Compact Size...only 22RU
- 70% AC to RF Efficiency
- Hot-Pluggable, Swappable Power Amplifier and Power Supply Modules
- IP Connectivity with Superior GUI for anytime, anywhere access
- STXe 500 exciter with best of class audio quality

#### Continuing the Tradition

The new STX 10 10kW FM transmitter has been intelligently designed to offer the perfect combination of audio quality, reliability, redundancy, serviceability and efficiency in an amazingly compact design. No other 10kW transmitter can match the design, feature set, and BE tradition of providing the best value.

#### Efficiency

With an efficiency of greater than 70% AC to RF, the STX 10 will save electricity costs beginning immediately and for years to come.

#### Small Form Factor

The STX 10 is 19" (48cm) W x 29" (74cm) D x 38.5"H (98cm) and can fit in any standard 19" EIA rack that is 30" deep. Not only is it easily transportable to any transmitter location, but the small form factor also reduces shipping costs.

#### Redundancy

The STX 10 is equipped with 4 Power Amplifier Modules and 7 power supplies. All power amplifier and power supply modules are hot-pluggable and hot-swappable, so there's no reason to take the transmitter off-air to install a spare. The Combiner will even auto-adjust to the power change when a module is added or removed. Auxiliary Power Supply options are available for the PA power supplies and controller power supply providing the ideal redundancy configuration for the harshest electrical environments. Moreover, the STX10 has a redundant cooling system, allowing it to operate at full power with a fan failure.

#### Connectivity

With IP connectivity at the transmitter site, the STX 10 will provide all important transmitter operating conditions and control options from a laptop, tablet or smart-phone. 3 levels of security controls from "View Only" to "Chief Engineer" ensures only the right personnel have access to the control functions through the GUI. And with SNMP Level 3 capability, the STX 10 is further protected.

#### Serviceability

The intelligent simplicity of the STX 10 is unmatched. Even the most experienced RF engineers will appreciate a mechanical design that allows easy access to all important parts and assemblies. All PA Modules and Power Supplies are hot-pluggable/hot-swappable from the front. The STX 10 saves time on service and maintenance with every part and assembly.

Intelligent Design Meets Superior Reliability and Performance



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Engineered and Manufactured  
in the USA



# STXe 500

## Digital Exciter / Transmitter



- **RDS Generator built-in with Dynamic RDS**
- **Multiple Program Inputs with silence sensor and auto failover**
- **Single Frequency Network capable with built-in Audio delay**
- **N+1 Capable, Main/Alternate Capable**
- **SNMP Level 3 Security and Control**
- **Digital Composite 192kHz Input**

### The Best Audio Quality Ever!

The STX 10 is equipped with a STXe 500 500W exciter. For decades, beginning with the FX 30, then the FX 50, and most recently the FXi series exciter, BE has provided radio broadcasters the advantage of a better sounding signal than all other transmitters. The STXe series (released in 2013) has eclipsed even our own legendary exciter predecessors in audio quality. The STXe is a digital exciter that is capable of producing the best AES audio, but is also capable of broadcasting in HD or DRM+.



### Unparalleled Graphical User Interface!

For complete specifications visit our website: [www.bdcast.com](http://www.bdcast.com)



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