

## DVB TV Transmitter

### Description

The new ST Series of Digital TV Transmitters is fully compatible with the international DTV standards (DVB-T, ATSC, ISDB, etc..) and suitable for SFN (Single Frequency Network) and MFN (Multi Frequency Network) applications. The ST Series has an output power range from 5 W to 200 W in digital operation. The transmitters are fully broadband.

The ST Series is equipped with a "high-performance" digital modulator fully and easily configurable to meet all the requirements of the DTV standards. Full transmitter metering, control, setting and system diagnostic available in the front panel and (optional) remotely.



### Key Features

- Full compatible with DVB-T, ATSC, ISDB, etc.
- MFN and SFN operation Full broadband
- The spectrum bandwidth may be user configured to 6 or 8 MHz as required.
- A perfectly clean spectrum in the adjacent channels and an excellent modulation linearity
- Very low phase noise oscillators (The BER and MER are optimized)
- Critical mask and non-critical mask filters available
- Single 220V power supply

### Specifications

	ST 5	ST 50	ST 100	ST 200
Operating Frequency Range	470 - 860 MHz			
Output Power	5 W rms	50 W rms	100 W rms	200 W rms
Output Connector	N type (others on request)		7/16" (others on request)	
Output impedance	50 Ohm			
Output Frequency stability	+/- 1ppm with internal reference			
Output Level stability	+/- 0.5 dB			
Frequency response	+/- 0.5 dB (ref. to centre frequency)			
Harmonic and Spurious	< -60 dBc			
Shoulder attenuation	> 45 dB			

MER	> 42 dB		
Spectrum Polarity	Inverted / not inverted - selectable by front panel menu		
Output bandwidth	5 , 6 , 7 , 8 MHz		
Network system adapters included in digital modulator	MFN or SFN		
Metering	Forward and reflected power, DC voltages and currents		
Alarms	VSWR, over temperature, cooling system failure, overdriving, Idc		
Power supply	220Vac +15% -30%		
Operating temperature	-5 to +45 °C		
Humidity	Up to 90% (non condensing)		
Cooling	Forced air with axial fans		
Dimensions and Weight	19 " , 2U 8kg	19 " , 4U 19kg	19 " , 4U 25kg 19 " , 4U 28kg

**DVB TV Broadcast Transmitter | DTV | DVB-T | ATSC | ISDB**

[http://dvb-tv-product.at-communication.com/en/at/dvb\\_tv\\_broadcast\\_transmitter.html](http://dvb-tv-product.at-communication.com/en/at/dvb_tv_broadcast_transmitter.html)