



# DAB+ / DMB On-channel Repeater

## TX-OCR Series



### Features

- Intelligent power control for continual feedback stability
- LD MOS power amplifiers with digital pre-correction
- Compact 3U integrated designs with up to 200W output
- Front panel LCD and PC GUI-based control and monitoring
- State of the art DSP echo-cancelling techniques

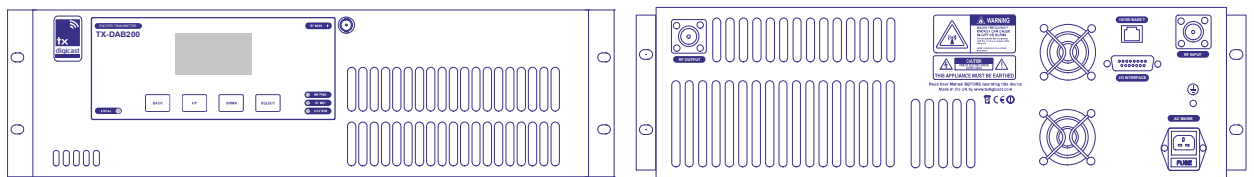
### Applications

- Whole town SFN fill-ins
- Major networks and Small Scale DAB
- No telecoms costs
- SFN or multi-frequency networks

The TX-DAB OCR series of echo-cancelling repeater transmitters provide a complete and highly reliable SFN DAB re-broadcast solution in one product.

Ideal not only for gap-filling and network densification, the TX-DAB OCR range can also be used for repairing coverage deficiencies caused by ACI (Adjacent Channel Interference) and improving in-building coverage. In fact, it can replace a conventional DAB transmitter in many applications.

The integrated receiver and transmitter architecture increases reliability, reduces maintenance, and requires just 3U of rack space.



### Specifications

Dimensions:	133 x 404 x 505 HxWxD (mm)	RF input range:	-65 to -35dBm (-50dB nominal)
Weight:	18kg	Max echo (limiting onset):	+15dB
RF input:	N female 50 ohm	Echo cancellation range:	0 to 10uS
RF output:	N female 50 ohm	Output Power:	20-200W
RF monitor:	BNC female 50ohm (nominal -40dB)	Power stability:	Better than 0.25dB
I/O Control:	15-way sub-D female / Ethernet (option)	Load mismatch:	VSWR 2:1 (all phase angles)
Temperature:	+5 to +40 C	IP shoulder:	>-30dB
Cooling:	Forced air (temperature controlled fans)	Spurious (post filter):	ETSI EN302077-1
Voltage:	110 - 240 ac 50/60Hz		

## Tomorrow's Broadcast Solutions

www.txdigicast.com info@txdigicast.com

TX Digicast, Unit 19 Richmond Crescent, Mossley, Lancashire OL5 9LQ, United Kingdom

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