



200 Watt DAB/DAB+ On-channel (SFN) Repeater

TX-OCR200



Features

- Intelligent feedback stability
- LDMOS power amplifiers
- Pre-correction
- Compact 3U integrated design
- Front panel LCD
- PC GUI-based control and monitoring
- State of the art DSP echo-cancelling techniques

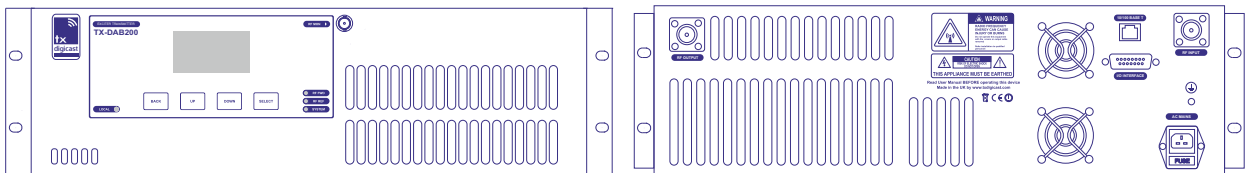
Applications

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

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|--------------|--|----------------------------|-------------------------------|
| 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: | 1W, 100W, 200W (option) |
| 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 | | |

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