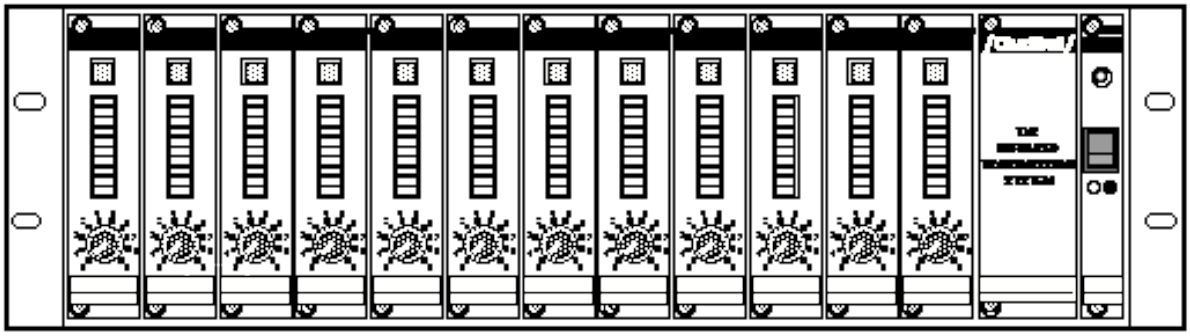
auditel

TXR---TRANSMITTER MAINFRAME WITH MOD-R CHANNEL MODULE

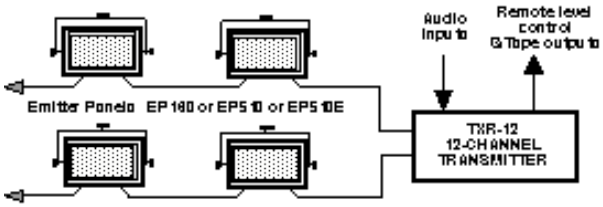


- Up to 12 channels
- Individual channel switches, level controls and indicators
- Low level (-20dB) or line level (0dB) audio inputs
- Tape recorder and remote control output facilities

The transmitter consists of a 19" rack mounting mainframe with a master module (TXR -) and up to 12 plugin channel modules (MOD-R). The modules are identical and interchangeable, and the channel frequency is automatically determined by the position of the module. (Blank panels are included with the mainframe as required). The transmitter can also be used as a free standing unit if fitted into a case (C-2H). They are used mainly for language distribution in simultaneous interpretation systems in conjunction with Auditel or other types of emitters and receivers which comply with IEC 764. Each channel module has an illuminated on/off switch with a PPM type bargraph and rotary control for modulation depth. There is also an internal DIL switch to change the default audio input sensitivity from 0dBu (nom) to -20 dBu (nom). The audio input to the standard transmitter is via a multipin connector on the rear panel, but the mainframe is also available with separate 3-pin XLR channel input connectors wired in parallel with the multipin connector. This version is designated TXR(XLR)-. The active channel outputs pass to the master module which provides power for the channel modules and filters and combines the channel outputs and amplifies the multiplexed signal to drive the emitter panels. There is a multipin audio output connector for use with tape recorders. This is the default configuration, but the connector can also be used for remote level control and monitoring (eg; via an AP-12) by means of internal switches on the channel modules. The transmitter uses the EP160 or EP510/E infra-red emitter panels. The RF output from the transmitter is fed to the emitter panels via a BNC type connector on the rear panel and a 50 ohm coaxial cable network. Two BNC connectors are fitted to facilitate zoning of the panels, and there are no practical limitations to the number of emitter panels which can be connected. NOTE: the TXR/MOD-R unit is also used as the modulator for multiplexed cable distribution systems.

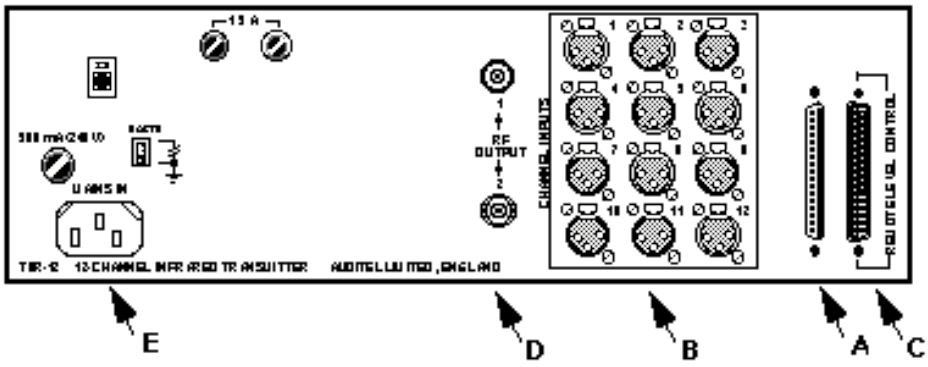
Technical Data

Number of channels	max. 12
Channel spacing	40kHz
Carrier frequencies	55kHz - 535kHz (excluding 455kHz)
Modulation	FM
Nominal deviation	±6Hz
Peak deviation	±7kHz
Pre-emphasis	100µsec
Frequency response	50Hz-8kHz (-3dB)
Distortion at 1 kHz	less than 1%
Signal/noise ratio	better than 70dB(A wtg.)
Input sensitivity	750mV RMS or 75mV RMS
Input impedance	10kohms balanced
Modulated output	50 ohms, 1V p-p
Remote level/tape	1k ohms, 750mV RMS
Power supply	110/120 - 220/240 Volts 50/60 Hz AC
Power consumption	max. 70 VA
Dimensions	485 x 130 x 370 mm
Weight	6.6 Kg



Connections

A 37-WAY 'D' TYPE SOCKET (M)
(FOR AUDIO INPUTS)
B XLR TYPE SOCKET (12)
(AUDIO I/P - XLR VERSION ONLY)
C 37-WAY 'D' TYPE SOCKET (F)
(FOR TAPE/REMOTE CONTROL)
D CO-AXIAL BNC TYPE SOCKET
(2) (OUTPUT TO EMITTER PANELS)
E 3-WAY CEE22/IEC320 PLUG
(A/C MAINS)



Architects and Engineers specification

The narrow band infra-red transmitter shall have up to twelve plug-in channel modules with carrier frequencies from 55kHz to 585kHz with 40kHz channel spacing. Each module shall have an illuminated ON/OFF switch, a rotary level control and a PPM bargraph level indicator. All modules shall be identical and the channel frequency shall be determined by the position of the module in the mainframe. The FM modulation characteristics shall be as specified in IEC 764 with pre-emphasis 100µsec, nominal deviation ±6kHz and peak deviation ±7kHz. The input impedance shall be 10k ohms balanced and the input sensitivity shall be 750mV RMS or 75mV RMS (internally set). The master module shall have a power ON/OFF switch and indicator. The transmitter shall be a 19" rack mounting unit with dimensions not exceeding 485mm x 130mm x 370mm and weight not exceeding 6.6kg.

We reserve the right to vary the specification without notice in the interest of product improvement

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