	MusicTAXI VP-PRO **[English]**
Description:	Full duplex audio codec with direct ISDN access and X.21 interface. Audio bandwidth from 3.1 kHz Mono up to 2 x 20 kHz Joint Stereo. Digital and analog audio in- and outputs, operation and configuration directly on the unit via the numeric keypad. Graphical display 240 x 64 dots.
Dimensions:	19'', 2 U, depth: 380 mm, weight: approx. 6 kg, no fan.
Power Supply:	90 ... 240 V AC, 50 - 60 Hz, 0,28 ... 0,13 A, max. 25 VA
Algorithms:	ISO/MPEG 11172-3 Layer 2 (MUSICAM) ISO/MPEG 11172-3 Layer 3 G.711 and G.722 with H.221 and SRT
Transmission Rates:	• X.21: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160, 192, 224, 256, 320, 384 kbps • ISDN: n x 64 kbps (n=1 to 6)
Audio Modes:	Mono, Dual Mono, Stereo, Joint Stereo
Sampling Frequencies:	16, 22.05, 24, 32, 44.1, 48 kHz
Analog Audio Interfaces:	Input: 18 bit, adjustable level range from –4 to 21 dBu, impedance >10k ohms / 600 ohms, single-ended input attenuation >66 dB. Output: 20 bit, adjustable level range from –4 to 21 dBu, impedance <50 ohms, single-ended attenuation >40 dB according to IEC 268-2.
Digital Audio Interfaces:	AES/EBU input and output according to IEC 958 prof. format, S/PDIF input and output according IEC 958 consumer format
External Sync:	Selectable via menu: • DISABLED (Word clock is generated from the ISDN transmission clock) • DIGITAL IN (Word clock is generated from the AES/SPDIF input signal) • SYNC IN (Word Clock is taken over from the SYNC IN)
Sample Rate Converter:	Standard for input and output. 32, 44.1 and 48 kHz
Ancillary Data:	0, 1200, 2400, 4800, 9600 bauds
Alarm/Control Interface:	8 bit optocoupled bidirectional alarm port

X.21 A:	Serial transmission interface (8 .. 384 kbps)
PC Remote Control:	RS232/RS422 switchable. All functions can be operated remotely incl. ISDN telephone directory and software download.
Headroom Adjustment:	Via menu from 0...20 dB
Frequency Response:	20 Hz to 20 kHz, +0.5/-1 dB
Signal to Noise Ratio:	>80 dB
External Voltage Ratio:	>85 dB
Non-linear Distortion Factor:	(a 20 kHz Filter, to f=5 kHz) at maximum level <0.06 %
Crosstalk Attenuation:	(interval) at 1 kHz › 100 dB
Phase Error:	<1.5 degree
ISDN S_0-Extension:	'Plug IN' module for master board. Extendible up to 3 x S_0 .
ISDN D-Channel Protocols:	Selectable via menu. There are 12 including: ETSI, USA AT&T, USA National ISDN1, Canada DMS 100, Japan NTT, Australia, France VN3, New Zealand, etc
ISDN Synchronization:	Selectable via menu: • Bonding for MusicTAXI • Sync for CDQPRIMA, CDQ2000 and Telos Zephyr in Stereo (Layer 2), 64 & 128 kbps • Sync for Telos Zephyr in Stereo (Layer 3), 64 & 128kbps • No Sync / No Sync Inverse • G.722/H.221 • G.722/SRT • AUTO
ISDN Setting:	Selectable via menu: • Own number for operation at private exchange (sent during connection establishment) • SPID number for operation on US networks (sent during establishment of a connection) • Accept incoming calls (telephone and MPEG): ALWAYS / NEVER / ASK • Accept incoming calls: Own number (MSN) check yes/no

Connection Establishment:	Selectable via menu: • "Directory" using built-in telephone book with 96 entries • "Quick Dial" using entry number • "Manually" using numeric keypad
Connection Monitoring:	Online menu displays: • Peak Level Tx (send), • Peak Level Rx (receive) • ISDN number of connection • Encoder configuration • Decoder configuration • Selected headroom setting • Decoder SYNC of remote unit • On-line connection time
Telephone Directory:	96 entries can be configured individually: • Name • ISDN number • Audio configuration • ISDN SYNC mode (name of partner codec)
Software Download:	• From Internet Server or • From the disk on the PC through the RS232/422 interface
Test Possibilities:	Selectable via menu: • Analog Audio Loop • AES test including check of format: Validity, parity, code, lock, confidential, measured sampling frequency, exactness of measured sampling frequency, format and format specific information • Display of Software version and serial number
Approvals:	The VP-PRO is designed according to protection class 1 (EN 60950/VDE 0805/IEC 950). The Declaration of Conformity constitutes the conformity with the EG Regulations: EMC 89/336/EWG and 72/23/EWG. The MusicTAXI VP-PRO corresponds to the EMC harmonised standards DIN EN 55103-1 (June 97) - interference radiation, ambience E1 and DIN EN 55103-2 (June 97) – resistance to jamming, ambience E5.The MusicTAXI VP-PRO is a telecommunication unit and has the following national approval for EURO-ISDN: A 120371F

Production:	The VP-PRO is manufactured by a subcontracted company certified according to ISO 9000 ff.
	DIALOG4 is certified according to ISO 9001
This document is subject to changes without further notice.	Last updated: October 2000