

Showman 1000

Showman 1000 Multi-standard TV Demodulator



Standards Covered

SYSTEM	AUDIO	SYSTEM	AUDIO
PAL I	FM Mono	PAL I	FM Mono + NICAM
PAL B/G	FM Mono	PAL B/G	FM Stereo
PAL B/G	FM Mono + NICAM	PAL B/G	FM Stereo + NICAM
PAL D/K	FM Mono + NICAM	PAL M/N	FM Mono
PAL M/N	FM Mono + BTSC + SAP	SECAM D/K	FM Mono
SECAM D/K	FM Mono + NICAM	SECAM L	AM Mono
SECAM L	FM Mono + NICAM	NTSC M/N	FM Mono
		NTSC M/N	FM Mono + BTSC Stereo

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DELIVER

Showman 1000

The Showman 1000 Off Air Receiver from dB Broadcast is a multi-standard analogue TV demodulator for professional broadcast applications and is capable of receiving RF signals from most terrestrial or cable analogue broadcast TV standards.

It is the latest in a line of well established Showman products and can be used with PAL, SECAM and NTSC television standards, allowing for operation across the world.

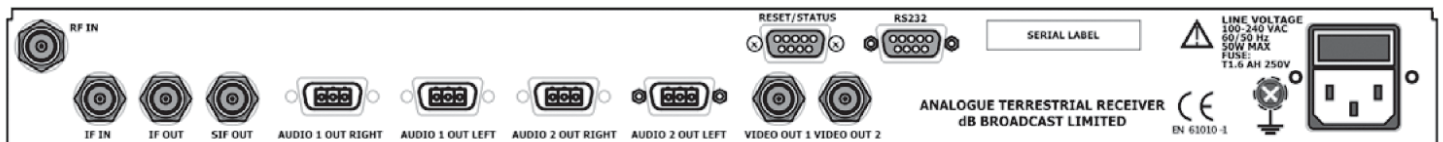


Features:

- Over 20 pre-installed country/region tables
- Multi-standard - B/G, I, D/K, L, M/N
- Video systems - PAL, SECAM, NTSC
- Audio systems - NICAM, FM-Stereo (A2 & EIA-J) BTSC
- Direct keying of frequency
- 99 program memory
- Headphone socket on front panel
- Dual composite video outputs
- Dual audio outputs
- Adjustable audio, video and chrominance levels
- RS232 Port for external control and software upgrades
- LCD screen display- 2 Line x 20 Characters

Showman multi-standard analogue TV demodulator including IF input and output capability along with monitoring and alarm functions with a Status Log facility that can time and date stamp various alarm events for later analysis. Provides simultaneous outputs of both Stereo and SAP when receiving BTSC audio (Standard M/N). The IF input and IF output is on 38.9MHz vision carrier frequency for all standards.

Technical specifications:



RF Input

Input Connector: BNC type female, 75Ω
 Tuning Range: PAL 45.25MHz to 863.25MHz
 or NTSC 45.25MHz to 801.25MHz
 Tuning Step Size: 250KHz
 Input Level: 0.2mV to 10mV min/max
 (46dBμV to +80dBμV)

IF Input

Connector: BNC Type connector
 Impedance: 50Ω
 Frequency: PAL 38.9MHz

IF Output

Connector: BNC Type connector
 Impedance: 50Ω
 Frequency: PAL 38.9MHz

Video

Connector: 75Ω BNC Type (2 off)
 Output Level: 1Vpp into 75Ω
 Differential Phase: $\lt; \pm 1.5^\circ$ (typical for RF input >6dBmV)
 Differential Gain: $\lt; 3.5\% \text{ pp}$ (typical for RF input > 6dBmV)
 Frequency Response: 100KHz to 4.43MHz $\pm 1\text{dB}$ for I, B/G, D/K 5-35 °C ambient
 100KHz to 3.58MHz $\pm 1\text{dB}$ for M/N 5-35 °C ambient
 Group Delay (post Correction off): 100KHz to 4.43MHz $\pm 60\text{ns}$ (35ns typical) for I, B/G, D/K
 100KHz to 3.58MHz $\pm 50\text{ns}$ (35ns typical) M/N

Audio

Outputs: 2 pairs (Audio 1 and Audio 2)
 User configurable
 Output Impedance: Low (electronically balanced)
 User configurable

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