

AVT 100

TV AND CABLE DEMODULATOR

- High performance demodulator for TV/cable tuning
- Preset channel memories
- NTSC and PAL versions
- Balanced or unbalanced stereo audio output
- RS-232 control
- Optional IR remote
- Versatile mounting options



The Extron AVT 100 is a high performance analog television and cable demodulator available in NTSC and PAL versions. With control features such as selective channel access, the AVT 100 is ideal for use in boardrooms, conference rooms, and classrooms.



Extron® Electronics
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DESCRIPTION

The Extron AVT 100 is a compact, high performance analog cable and television demodulator designed to provide maximum performance and control in professional A/V environments. Primary applications include boardrooms, conference rooms, and classrooms. The AVT 100 can also be employed in large-area RF distribution systems in stadiums, arenas, and campus CCTV systems.

Channels may be selected directly from the front panel, which includes a three-digit alphanumeric display. Expanded control is available via RS-232 with Extron SIS™ - Simple Instruction Set, as well as extended range IR operation with the optional IR remote.

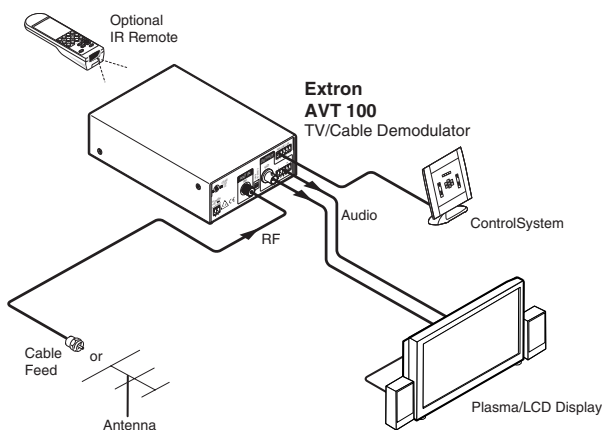
The AVT 100 can be set for full or selective channel access. Configuration settings for channel presets can be exported to a file and then uploaded to other units, saving installation time.

The AVT 100 is available in both NTSC and PAL versions, and is housed in a 1U, quarter rack width metal enclosure.

FEATURES

- High performance analog cable and TV demodulator
- Balanced or unbalanced stereo audio output on captive screw connectors
- Front panel, RS-232, and modulated IR control
- Save and recall configuration files via RS-232
- AVT 100N NTSC and AVT 100P PAL versions
- Preset channel memories
- RS-232 serial control with Extron SIS™ - Simple Instruction Set
- Optional AVT 100 IR remote control, part # 70-366-01
- Back panel IR input for modulated IR
- Rack-mountable 1U, quarter rack width metal enclosure
- External international power supply included, part # 70-055-01

APPLICATION DIAGRAM



SPECIFICATIONS

RF INPUT

| | |
|--------------------------|--------------------------------------|
| Number/signal type..... | 1 radio frequency (RF) |
| Connectors | |
| NTSC 3.58 model..... | 1 female F connector |
| International model..... | 1 female IEC 169-2, 75 ohm connector |
| Sensitivity | -20 to +20 dBmV |
| Frequency range..... | 55 MHz to 802 MHz |
| Off air TV channels..... | 2 to 69 |
| CATV cable channels..... | 2 to 125 |
| Impedance | 75 ohms |
| Vertical frequency | |
| NTSC model..... | 60 Hz |
| International model..... | 50 Hz |

VIDEO OUTPUT

| | |
|------------------------------|-----------------------------------|
| Number/signal type..... | 1 composite video |
| Connectors | 1 BNC female |
| Nominal level | 1 Vp-p for composite video |
| Minimum/maximum levels | 0.4 V to 1.0 Vp-p (follows input) |
| Impedance | 75 ohms |
| DC offset | ±10 mV with input at 0 offset |

AUDIO OUTPUT

| | |
|--------------------------------|--|
| Gain | Unbalanced/balanced output: 0 dB |
| THD + Noise..... | 0.2% @ 1 kHz at 100% modulation |
| S/N | 65 DIN weighting |
| Stereo channel separation..... | >20 dB @ 1 kHz |
| Number/signal type..... | 1 stereo, balanced/unbalanced |
| Connectors | (1) 3.5 mm captive screw connector, 5 pole |
| Impedance | 50 ohms unbalanced, 100 ohms balanced |
| Gain error..... | ±0.1 dB channel to channel |
| Nominal level | 0 dBu |
| Level at 100% modulation..... | >+4 dBu, balanced at 0.2% THD+N (min.), 0.3% THD+N (typical), 1% THD+N (max.) >-6 dBV, unbalanced at 0.2% THD+N (max.) |

CONTROL/REMOTE

| | |
|--|--|
| Serial control port..... | RS-232; 3.5 mm captive screw connector, 5 pole |
| Baud rate and protocol | 9600 baud, 8 data bits, 1 stop bit, no parity |
| Serial/IR control pin configurations | 1 = TX, 2 = RX, 3 = GND, 4 = modulated IR, 5 = +12 VDC |
| IR controller module | IR 501 (optional), 30' maximum, 40 degrees off axis |
| Program control | Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™) |

GENERAL

| | |
|-------------------------------|---|
| External power supply | 100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A, regulated |
| Power input requirements..... | 12 VDC, 0.5 A |
| Rack mount | Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01 |
| Enclosure type | Metal |
| Enclosure dimensions..... | 1.7" H x 4.3" W x 6.7" D (1U high, quarter rack wide) 4.3 cm H x 10.9 cm W x 17.0 cm D (Depth excludes connectors.) |
| Product/Shipping weight..... | 0.8 lbs (0.4 kg) / 3 lbs (2 kg) |
| Listings | UL, CUL |
| Compliances..... | CE, FCC Class A, VCCI, AS/NZS, ICES |

NOTE: All nominal levels are at ±10%

| Model | Version Description | Part Number |
|-----------------------------|--|-------------|
| AVT 100 NTSC | NTSC | 60-647-01 |
| AVT 100 PAL | PAL | 60-647-02 |
| Optional Accessories | | |
| AVT Remote | Handheld IR Remote Control for the AVT 100 | 70-366-01 |
| IR Link | Wall-Mountable IR Signal Repeater - Black..... | 60-404-02 |
| RSU 129 | 1U 9.5" Deep Universal Rack Shelf Kit..... | 60-190-01 |
| PMK 100 | 1/4 Rack Width Mini Projector Mount Kit | 70-217-01 |

Specifications are subject to change without notice.



Extron Electronics, USA
1230 South Lewis Street
Anaheim, CA 92805
800.633.9876 714.491.1500
FAX 714.491.1517

Extron Electronics, Europe
Beeldschermweg 6C, 3821 AH Amersfoort
The Netherlands
+800.3987.6673 +31.33.453.4040
FAX +31.33.453.4050

Extron Electronics, Asia
135 Joo Seng Rd. #04-01
PM Industrial Bldg.
Singapore 368363
+65.6383.4400 FAX +65.6383.4664

Extron Electronics, Japan
Kyodo Building, 16 Ichibancho
Chiyoda-ku, Tokyo 102-0082
Japan
+81.3.3511.7655 FAX +81.3.3511.7656