

# 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

[www.extron.com](http://www.extron.com)

## 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.

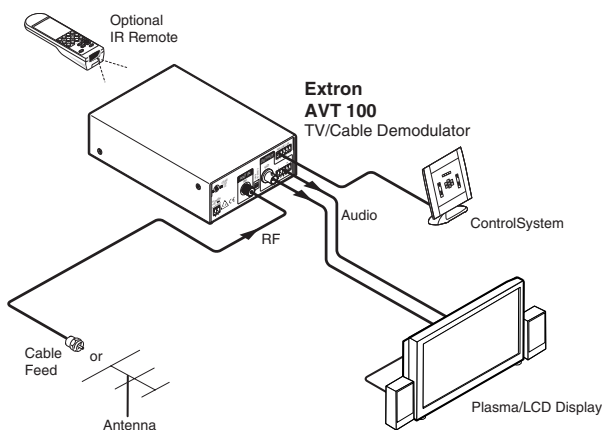
The AVT 100 can be set for full or selective channel access. Configuration settings for channel presets can be exported to a file and then uploaded to other units, saving installation time.

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
<b>Optional Accessories</b>		
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