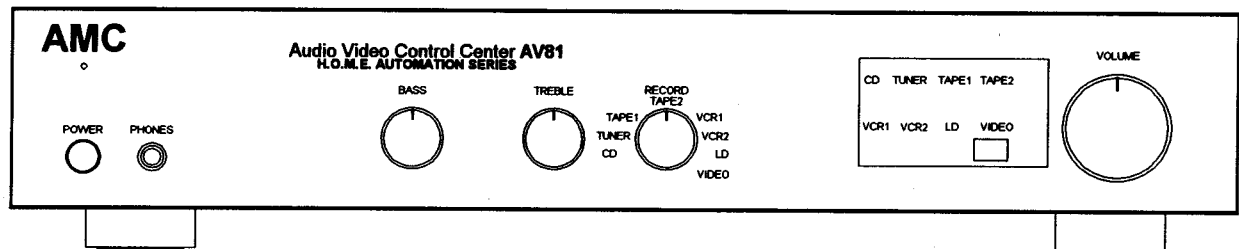


AMC AV81

AUDIO VIDEO CONTROL CENTER



INSTRUCTIONS FOR INSTALLATION AND OPERATION

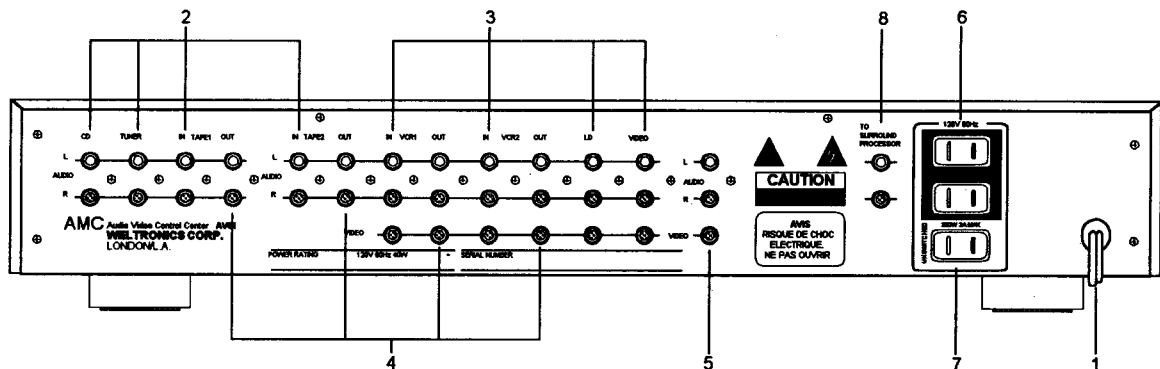
APPLICATIONS AND FEATURE LIST

The AMC model AV81 Audio Video Control Center, is designed for control A/V system.

- * Eight stereo audio inputs, four composite video inputs.
- * Audio and video outputs.
- * Remote volume control, source selection, audio mute, power.
- * Record switch to record any A/V sources to any Cassette Decks or VCR's.
- * Buffered video outputs.
- * THD less than 0.01%.
- * Audio S/N better than 95 dB.
- * Video bandwidth from DC to 18MHz.
- * 75 OHM output impedance for all audio and video outputs.

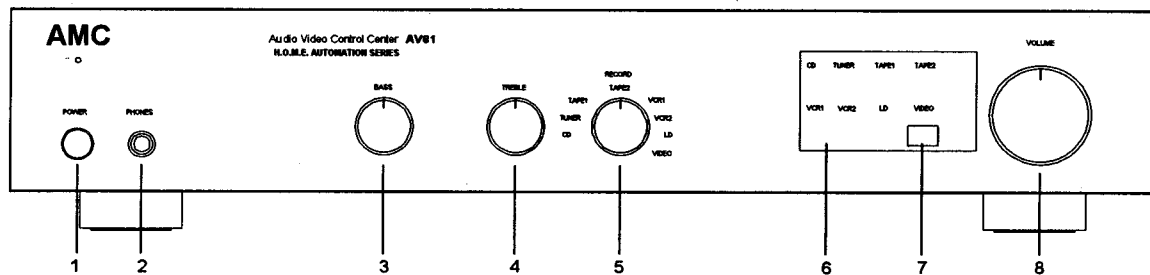
REAR PANEL CONNECTIONS/FRONT PANEL CONTROLS

REAR PANEL



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| <ul style="list-style-type: none"> 1. AC LINE CORD 2. AUDIO INPUTS: CD, TUNER, TAPE1, TAPE2 3. AUDIO/VIDEO INPUTS: VCR1, VCR2, LD, VIDEO 4. RECORDING OUTPUTS: TAPE1, TAPE2, VCR1, VCR2 | <ul style="list-style-type: none"> 5. AUDIO/VIDEO OUTPUTS 6. SWITCHED CONVENIENCE AC OUTLETS (ONE OUTLET FOR EUROPEAN VERSION) 7. UNSWITCHED CONVENIENCE AC OUTLET 8. TO SURROUND PROCESSOR OUTPUT |
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FRONT PANEL



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| <ul style="list-style-type: none"> 1. POWER SWITCH 2. PHONES 3. BASS 4. TREBLE | <ul style="list-style-type: none"> 5. RECORD 6. INPUT INDICATOR LED'S 7. INFRARED RECEIVER 8. VOLUME CONTROL |
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REAR PANEL CONNECTIONS

1. AC LINE CORD

Plug the AC line cord into a nearby wall outlet that provides the correct AC power line voltage, or into an un-switched convenience outlet on any AMC product.

2. AUDIO INPUTS: CD, TUNER, TAPE1, TAPE2

These inputs are for connection to audio signal sources via RCA jacks.

3. AUDIO / VIDEO INPUTS: VCR1, VCR2, LD, VIDEO

These inputs are for connection to audio/video products via RCA jacks.

4. RECORDING OUTPUTS: TAPE1, TAPE2, VCR1, VCR2

These outputs are for recording and are controlled by the RECORD switch on the front panel.

5. AUDIO/VIDEO OUTPUTS

With 75 ohm termination on this output, the input/output gain will be unity. Connections are made via RCA jacks.

6. SWITCHED CONVENIENCE AC OUTLETS

There are 2 switched convenience AC outlets for 120V versions and only one for 230V versions. These convenience AC outlets are controlled by the power ON/OFF button on the front panel and RC-001 Remote Control.

7. UNSWITCHED CONVENIENCE AC OUTLET

There is one un-switched convenience AC outlet for 120V version and none for 230V versions.

8. TO SURROUND PROCESSOR OUTPUT

This output is for connection to Audio inputs of AMC PRO7 or other surround processors.

FRONT PANEL

1. POWER SWITCH

Press to turn on AV81. Next press to turn off AV81. When AV81 is turned on, the small indicator above the switch will glow green.

2. PHONES

The headphone socket will accept any headphone fitted with a standard quarter inch (6.35mm) stereo jack plug. When a headphone plug is inserted into the PHONES socket the AUDIO OUTPUT on

REAR PANEL is automatically shut off. If you want to listen to speakers, you must remove headphone plug from the socket.

3. BASS

The Bass control adjusts the relative level of the low frequencies in the sound. The electrical response of the amplifier is flattest when the control is set in the detent at the 12 o'clock position. Rotation of the knob to the right (clockwise) increases the level of low-frequency sounds, and rotation counter-clockwise decreases their level. Adjust the Bass control to achieve the tonal balance that sounds most natural to you.

4. TREBLE

The Treble control adjusts the relative level of the high frequencies in the sound. The response of the amplifier is flattest when the control is set in the detent at the 12 o'clock position. Rotation of the Treble control to the right (clockwise) increases the level of high-frequency sounds, and rotation counter-clockwise decreases their level. Adjust Treble control to achieve the tonal balance that sounds most natural to you.

5. RECORD

This switch selects the input signal for recording. (to RECORDING OUTPUTS on REAR PANEL)

6. INPUT INDICATOR LED'S

There are 8 LED'S arranged in 2 rows, in the front panel display. These LED'S indicate the selected input (CD, TUNER, TAPE1, TAPE2, VCR1, VCR2, LD, VIDEO).

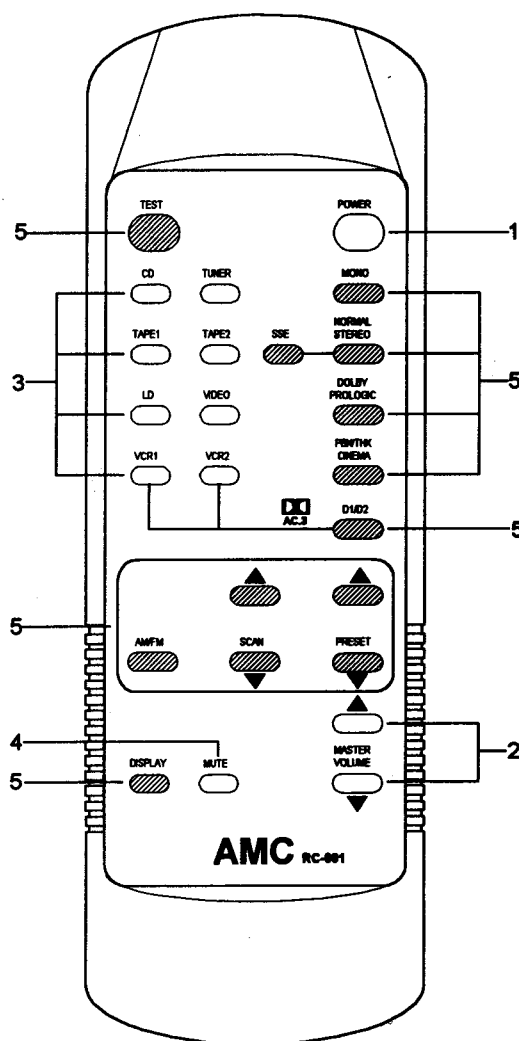
7. INFRARED RECEIVER

Hidden behind the front panel window is a infrared receiver to receive infra-rays from remote control RC-001.

8. VOLUME CONTROL

The volume control adjusts the overall loudness level of the sound. It has no effect on the level of the signals fed to the TAPE OUT jacks for recording. The volume control is designed for accurate tracking of its two channels, so that the stereo balance will not shift noticeably as the loudness of the sound is varied.

REMOTE CONTROL RC-001



1. POWER

Pressing the green "POWER" button switches the AV81 power on. Pressing the button again will turn the AV81 off.

2. MASTER VOLUME

▲: VOLUME UP

▼: VOLUME DOWN

3. INPUT SELECTOR

These buttons select any one of the eight sources that are connected to the inputs of the AV81 (CD, TUNER, TAPE1, TAPE2, VCR1, VCR2, LD & VIDEO).

4. MUTE

Pressing the "Mute" button will apply full mute to the audio.

5. OTHER BUTTONS WITH

These buttons are not operational for the AV81.

SPECIFICATIONS

AUDIO INPUTS (CD, TUNER, TAPE1, TAPE2, VCR1, VCR2, LD & VIDEO) and OUTPUTS

Input Impedence.....	R=5MEG, C=100pF
THD 20Hz-20KHz and SMPTE IMD.....	<0.01% at 3Vrms
Inputs Sensitivity for 1V output.....	150mV
Input Overload.....	3.5 Vrms
Signal to Noise Ratio (Gain=1).....	95dB "A" wtd ref. 1V
Frequency Response.....	20Hz-20KHz +/-0.5dB
Output Impedence.....	75 OHM

VIDEO INPUTS (VCR1, VCR2, LD & VIDEO) and OUTPUTS

Input Impedence.....	75 OHM
Input Level for Peak White.....	1V peak
Output Impedence.....	75 OHM
Gain (From Video Inputs to Output).....	Unity with 75 OHM term
Frequency Response.....	DC-6MHz +/-1dB DC-18MHz +/-6dB
Max. Input Level.....	+/-2V peak

INFRARED INPUTS

Max. Input Level.....	+5.5V
Min. Input Level.....	+3.5V
Polarity.....	Normally Low
Transmitted I/R Wavelength.....	940nm
Input Impedence.....	330 OHM

OTHER

Dimensions(W x H x D).....	430 x 82 x 300 mm
Net Weight.....	5.0Kgs. (11 lbs.)
Power Consumption.....	15W

WELTRONICS CORP.
LONDON/L.A.