

SPECIFICATIONS

General Specifications

Power Requirements: 95-135VAC, 57-63Hz
Power Consumption - Standby: 44 watts maximum

RF Specifications

Tuning System: Quartz-controlled multiband frequency synthesis
Band Coverage: VHF channels 2-13
UHF channels 14-69
Cable channels 1-125
Frequency Coverage: 54-806MHz
Antenna Inputs: 75-ohm UHF/VHF
Sensitivity: 10uV

Video Specifications

Aux Video In: 1Vp-p, 75 ohms, neg sync
SVHS Luma In: 1Vp-p, 75 ohms, neg sync
SVHS Chroma In: 286mVp-p burst, 75 ohms
A/V Input: 1Vp-p, 75 ohms, neg sync
YPRPB Input: 0.7V p-p (PR, PB), 1V p-p (Y)

Audio Specifications

Frequency Response: 50-10,000 Hz (@ rated output)
Stereo Modes: MTS stereo, SRS stereo (some models), Enhanced SRS stereo (some models), Sound Logic stereo (some models)
Aux Audio In: 500mVRMS typical, 2.25VRMS maximum
A/V Input: 500mVRMS typical
Input Impedance: 47Kohms (source impedance should be < 2Kohms)
Power Output: 15 watts/channel RMS into 8 ohms <5% THD
Subwoofer Power Output: 30 watts RMS into 8 ohms <1% THD
Fixed Audio Output: 500mVRMS into 10Kohms

Remote Control

Transmission System: Digitally encoded infrared light
Battery Life: One year normal use

Specifications subject to change without notice.

SCHEMATIC NOTES

1. Resistor values are in ohms (K = X1,000; Meg = X1,000,000). Tolerance is 5%, unless otherwise specified.
Because of problems in seeing the decimal point in some printed texts, the multiplier letters (k,M,n,p,MI.....) are used in place of the decimal point. Thus, a 2,700 Ohm resistor is written 2K7, a 6.8 Picofarad capacitor is written 6p8 and a ¼ watt resistor is written 250MI0W.
2. Capacitor values 1.0 and above are in picofarads; values less than 1.0 are in µF, unless otherwise specified.
3. DC voltages measured with NTSC color bar signal applied (via RF channel 3), except for audio voltages, which are measured with MTS stereo 1KHz signal applied, unless otherwise specified. Voltages in parentheses () indicate standby mode.
4. Waveforms measured with NTSC color bar signal applied (via RF channel 3), except for audio waveforms, which are measured with MTS stereo 1KHz signal applied, unless otherwise specified.
5. Special symbols:

< > indicates schematic zone locator
■ indicates wire-wrap stake
⌒ indicates jumper wire (top side)
⬇ indicates "hot" ground

⌚ indicates service test point
⊙ indicates connection via point-to-point wire
⌒ indicates zero ohm chip (bottom side)
⬇ indicates "cold" ground