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SPECIFICATIONS AND INTERFACE

This appendix provides specifications for the AirLink II receiver,
transmitter, and wireless keyboard and illustrates typical system
interface configurations.

Specifications

Video Inputs

- 15-pin VGA analog red, green, blue (RGB) signal;
  0.7 V peak-to-peak

Video Outputs

- Complies with NTSC and PAL TV standards
- Composite video (RCA out)
- 1.0+10% V peak-to-peak
- 15-pin VGA pass-through signal
- **Europe only (PAL signal)**—SCART

Computer Interface

- External VGA-to-Digital Scan Converter

Video Resolutions/Display Modes

NTSC (North America and Japan)
- **Resolution**—Up to 640x480 in 16.7 million colors
- **Vertical** Sync—60 Hz

PAL (Europe, Asia, and South America)
- **Resolution**—Up to 800x600 in 16.7 million colors
- **Vertical Sync**—50 Hz

Environmental Requirements
- Storage temperature— -10 to 50 °C
- Operating temperature— 10 to 35 °C

Receiver Specifications

Specification	Value
Output Level	Video 1 volt p-p Audio 1 volt p-p
Frequency	2.4000 GHz–2.4835 GHz, selectable by channel
Channel Access	PLL Synthesizer, four channels
IR-Remote Relay-Transmit Frequency	423 MHz
Output Ports	DC, RCA (audio left, audio right, video)
Noise Figure	3.5 dB
Power Consumption	12 V DC, 350 mA
Dimensions	137 x 125 x 27 mm (3.75 x 5.0 x 2.1 in)
Weight	425 g (15 oz)
Signal Range	21.34 m (70 ft) range direct line of sight; through obstacles will vary, in typical homes up to 15.24 m (50 ft)

Transmitter Specifications

Specification	Value
Output Level	90 dB microvolts/meter at 3 meters (comply with FCC, BZT)
Frequency	2.4000 GHz–2.4835 GHz, selectable by channel
Channel Selection	PLL Synthesizer, four channels
Modulation	FM
IR-Remote Output	940 nm with ON/OFF keying
Input Ports	VGA (15 pin RGB signal), RCA (audio left, audio right, video)
Output Ports	VGA (15 pin RGB signal), RCA video
DC Power Input	12 V DC
Video Input Level	1V p-p @ 75 ohm
Audio Input Level	1V p-p @ 600 ohm
Video Input Impedance	75 ohms
Audio Input Impedance	600 ohms
Power Consumption	12 V DC 300 mA maximum
Dimensions	137 x 125 x 27 mm (3.75 x 5.0 x 2.1 in)
Weight	375 g (13 oz)
Audio/Video Signal Range	30.48 m (100 ft) range through obstacles, 91.44 m (300 ft) direct line of sight
Pass-Through Switch	Allows transmitter to function as a stand alone A/V sender.

System Requirements

Note: *Before installing PC/TV AirLink II, your computer display resolution may be set as high as 1024x768 at a refresh rate of 70 Hz (NTSC or PAL). Other resolutions may be used if TV output is not needed.* Minimum computer specifications for the AirLink II system to work properly:

- IBM-compatible PC (386, or higher)
- Windows 95 or higher
- VGA adapter, capable of outputting 640x480 resolution at 60 Hz vertical refresh (NTSC) or 800x600 resolution at 50 Hz vertical refresh (PAL).
- 16 bit sound card (optional, but required for sending audio from PC)
  Video display device(s) (such as a TV, VCR connected to a TV, or video monitor) with RCA composite inputs.
- Minimum 8 MB of free hard disk space
- Keyboard and serial port switch boxes optional, but recommended for convenience