

ATX-1 / AVX-1 User Manual



A/V Sender Kit

Federal Communications Commission Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection. This equipment generates, uses and can radiated radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Shielded interface cables must be used in order to comply with emission limits.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1. Package Contents

- | | |
|---|---------------------------------|
| A. 2.4GHz audio/ video transmitter | D. Audio/video cable x 2 |
| B. 2.4GHz audio/ video receiver | E. User manual x 1 |
| C. Power adaptor x 2 | |

2. Safety

- Operate the system on 12V DC.
- Do not open or remove and screws on the system. No user serviceable parts. Opening system covers may expose you to dangerous shock hazards or other risks. This will void any implied warranty.
- Do not expose to extreme temperature or direct sunlight.
- Dropping unit may cause damage.
- Do not use near water or expose to any liquid.
- Mount properly to avoid damage to unit or injury to person.

3. Specifications

■ Transmitter

Frequency	2.4GHz
Transmitting Power	10dBm (typical)
Modulation Type	FM
Channels	4
Frequency Stability	±100KHz
Video Input Level	1 V(p-p) / 75Ω
Power Consumption	DC 12V
Current Consumption	90mA (typical)
Antenna	Dipole
Dimensions	73 × 59 × 22 (mm)
Operating Temperature	-10℃~50℃

■ Receiver

Frequency	2.4GHz
Sensitivity	-90dBm
Demodulation Type	FM
Channels	4
Frequency Stability	±100KHz
Video Input Level	1 V(p-p) / 75Ω
Power Consumption	DC 12V
Current Consumption	200mA (typical)
Antenna	Dipole
Dimensions	73 × 59 × 22 (mm)
Operating Temperature	-10℃~50℃

4. Installation

A. Transmitter:

Connect the transmitter to the desired device, such as DVD, VHS, play station, camera, computer, and etc., via the provided RCA cable. See figure 1.

B. Receiver:

- Connect the receiver to the TV or other video devices via the provided RCA cable. See figure 2.

C. Power supply:

Use the AC adapter (labeled OUTPUT 12V DC) for operating the transmitter and the receiver.

Figure 1

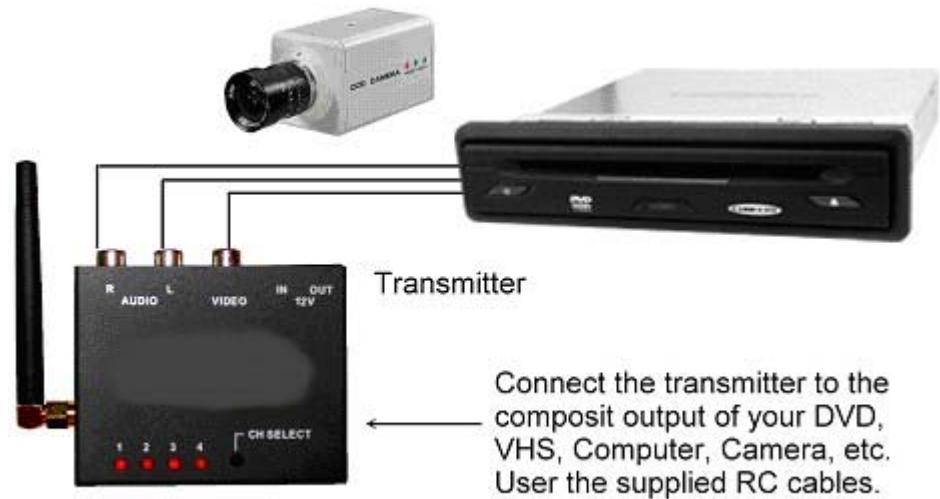


Figure 2



5. Fading Problems

- A. 2.4 GHz RF transmission is vulnerable by weather, surrounding materials, human bodies and so on. The interference, so-called Fading Effect, impacts on the quality and stability of transmission. If a fading happens, try to adjust the direction, position and angle of antenna for optimum performance.

B. Surrounding impacts vs. transmission distance:

	Brick	Concrete	SRC	Open Space	Interior-Open Building
10mW	30m	25m	20m	200m	70m
100mW	70m	50m	40m	500m	150m

The above sheet is for reference only. The authentic distance depends on practical environments.

C. Overcoming noise in transmission

Make sure the antenna is fixed in its best angle. Try to avoid any obstacles, e.g. SRC and concrete constructions, metal furniture, that impact most severely.