

## **Appendix 8. User Manual**



### **User Instruction for RF A/V Transmitter**

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### FCC WARNING

*This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.*

### INFORMATION TO THE USER

*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.*

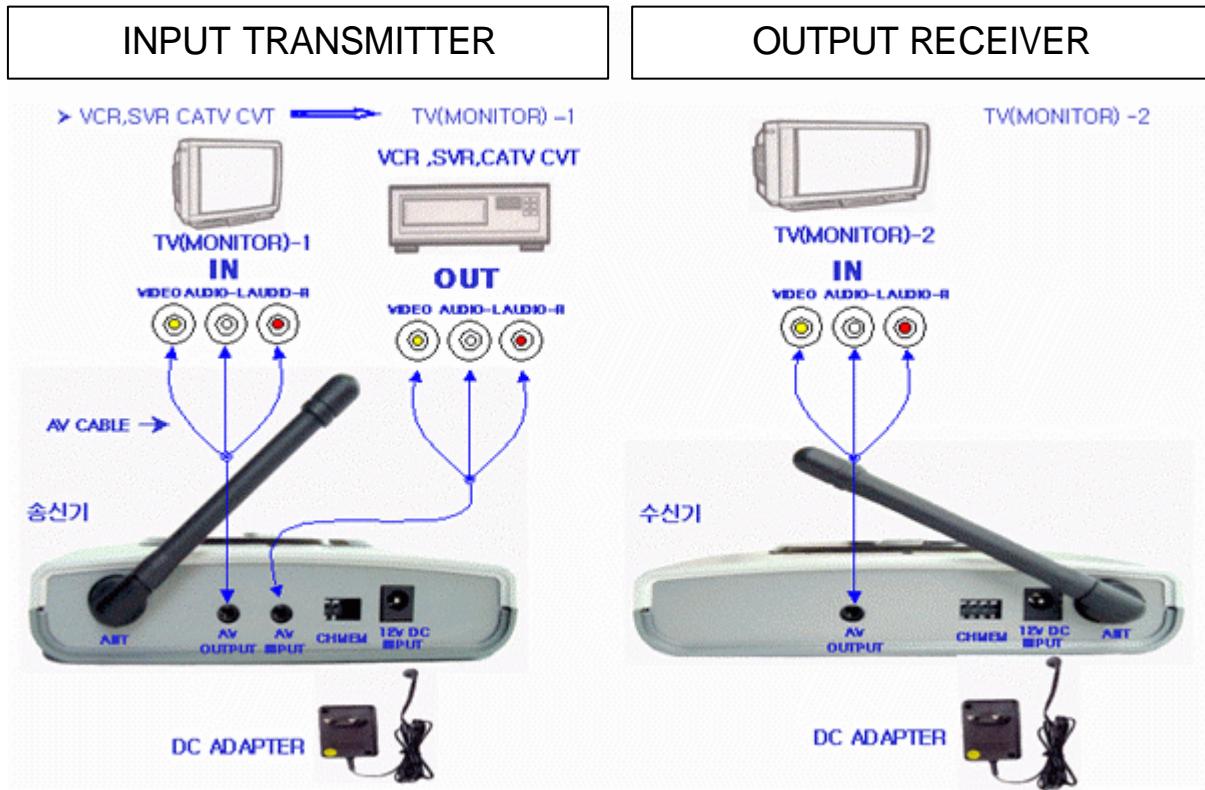
*These limits are designed to provide reasonable protection against harmful interference in a residential installation.*

*This equipment generates, uses and can generate 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 the 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.

- A/V 2.4GHz WIRELESS : A/V to PC Converter
- MODEL NAME : **KIS-24AVT** (Transmitter : KIS-24AVT, Receiver : KIS-24AVR)
- Product Outline : This product is a device to display a TV or a monitor with the video signal and a audio signal.  
The product generates the audio and video signal from signal source using an ISM band frequency of 2.4GHz band.  
A transmitter transmits these signals using FM modulation and a receiver demodulates these signals.
- Use : Domestic use, for developing school teaching program
- Useable area : NTSC signal receivable area(Korea, Japan, USA etc)
- Service : General Household, Projection Screen Transmission
- Establishment Method & Notice

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### ⇒ Electronic Standard - Transmitter/Receiver

Item	Standards	Item	Standards
Name of Device	Specific Pixel Output for Image Transmission	Name of Model	sender : KIS -24AVT receiver : KIS -24AVR
Channel Interval	20MHz	Channel Number	4Channel
A/V Demodulation Type	FM Demodulation	Middle Frequency	49.5MHz
Dispatch Frequency	2410MHz - 2470MHz	Middle Frequency band	18MHz(-3dB)
Receive Frequency	2410MHz - 2470MHz	Communication Type	Simplex Communication
Transmitted Power	10mW(10dBm) ± 20%	Power Device	Adapter(DC 12V)
Oscillation Type	PLL	Local Oscillation Frequency	1920.5MHz ~ 2008MHz
Image Input/Output Level	1Vp-p(75 )	AUDIO Input/Output Level	400mVrms
Use	-10 ~ 50	Size	146mm*124mm*77.6mm

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### ⇒ Product Configuration

#### - SENDER

Classification	UANTITY	REMARKS
SENDER BODY	1	
ANTENNA	1	Shape of product built in the body
AV CABLE	2	
DC ADAPTER	1	

#### - RECEIVER

Classification	UANTITY	REMARKS
RECEIVER BODY	1	
ANTENNA	1	Shape of product built in the body
AV CABLE	1	
DC ADAPTER	1	

### ⇒ Troubleshooting

QUESTION	CONFIRMATION
NO IMAGE/ NO SOUND	<ul style="list-style-type: none"><li>○ Confirm the power of sender and receiver.</li><li>○ Confirm the power switches of sender and receiver.</li><li>○ Confirm the powers of connected TV and VTR</li><li>○ Confirm the connection of A/V cable</li><li>○ Confirm whether the channels of sender and receiver are same or not.</li></ul>
NOISY IMAGE/ NOISY SOUND	<ul style="list-style-type: none"><li>○ Tune the antenna locations of sender and receiver.</li><li>○ Use channel with less interference</li></ul>