

CHAPTER 1

INTRODUCTION

1.1 Introduction

Thank you for purchasing the GRAND RF AMAZING EX, The GRAND RF AMAZING EX is a Wireless Audio & Video transmitter and receiver that delivers amazingly clear audio and video close to 100 meters in open area (30 meters through walls or floors), Four selectable transmitting channels allow transmitter to receiver operation in the same area.



1.2 Features

- ISM Band: 2400MHz~2483MHz
- Full Range: EIA, CCIR, NTSC, PAL
- Four selectable channel Transmitter & Receiver
- Built-in PLL circuit
- Remote Entertainment, Attendance, Surveillance Market: DIY, SOHO, Safety, Security

1.3 Applications

a. Business

- Observe warehouse, sales floor, and doors, without expensive and inflexible wiring
- Show computer images on remote TV's for training and presentation when used with PC to TV converters like our Grand Ultimate 2000 EX or Grand Magic View EX.
- Deliver your message to multiple TV's in tradeshow's without wires, even to multiple booths

b. Entertainment

- Listen to music all over the house and even out on the patio or pool area from the central player using Grand RF AMAZING EX and powered speakers.
- Enjoy satellite TV, rented tapes and DVD's in the room of the house without expensive wiring

c. Safety

- See who is outside your door on TV using a small camera and GRAND RF AMAZING EX and your regular TV.
- Monitor your baby, your children, the swimming pool, or elderly, ill or disabled in your family using your camcorder or miniature camera.
- Observe your home or office on your Computer monitor with used with a TV to Computer Converter, like our Grand Joy Mate.

1.4 Specifications

- ISM Band: 2400Mhz ~2483Mhz Audio/Video on four selectable channels
- Antenna Mode: Dipole
- Demodulation Method: FM
- Frequency Generating: P. L. L.
- Audio Response: 20~20KHz
- Video Output : 1Vpp/ 75 ohm Composite Video
- RF Output Power: Follow the regulation.
- Dimension: 12.5(L) X 8 (W) X 3.3(H) cm.

1.5 Transmitter

- DC power IN (Adaptor) : DC 6V, 800mA
- Frequency Stability: $\pm 100\text{KHz}$
- Current Consumption: under 130mA (Typical)
- Audio Input Level: 1 Vrms (Typical)
- Antenna Port: 50 Ohm PCB Track.

1.6 Receiver

- DC power IN (Adaptor) : DC 6V, 800mA
- Frequency : 2400MHz ~2483MHz.
- Current Consumption: under 200mA. (Typical)
- RX Sensitivity: -80dbm (Minimum)
- Antenna Port: 50 Ohm PCB Track

1.7 Package Contents

This package contains the following items:

- User's Manual

For Transmitter

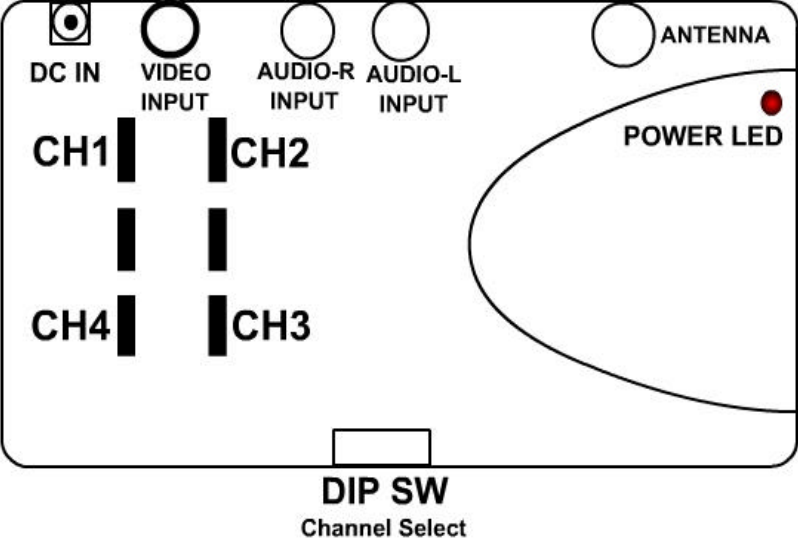
- GRAND RF AMAZING EX Tx
- Video & Stereo Audio cable
- Power Adapter

For Receiver

- GRAND RF AMAZING EX Rx
- Video & Stereo Audio cable
- Power Adapter

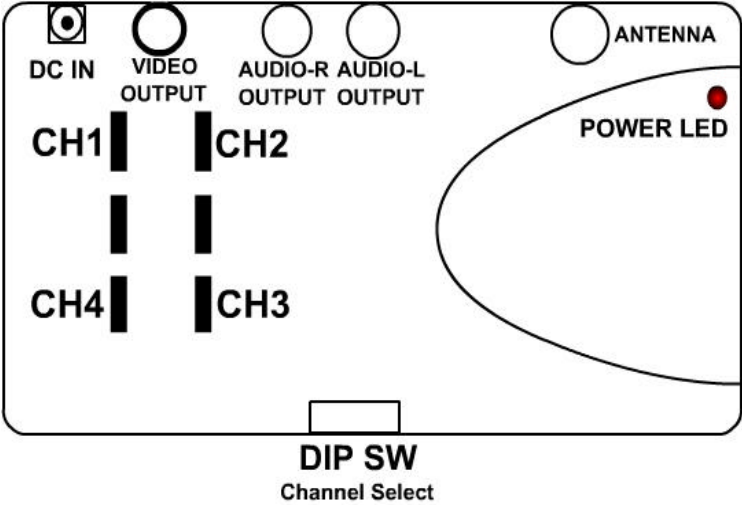


1.8 Connectors of Grand RF Amazing EX



RF AMAZING EX Transmitter

AUDIO – L INPUT & AUDIO – R INPUT:
Connect RF AMAZING EX Tx to AUDIO OUTPUT of your VCR, CCD Camera etc.
VIDEO INPUT:
Connects RF AMAZING EX Tx to VIDEO OUTPUT of your VCR, Camcorder, CCD Camera etc.
DC IN:
Power connector, connects with the supplied power adapter.
Channel Select:
Selects channel that you want to send.



RF AMAZING EX Receiver

AUDIO – L OUTPUT & AUDIO – R OUTPUT:
Connect RF AMAZING EX Rx to the AUDIO INPUT of TV or a powered Speaker etc.
VIDEO OUTPUT:
Connects RF AMAZING EX Tx to VIDEO INPUT of your VCR, Camcorder, CCD Camera etc.
DC IN:
Power connector, connects with the supplied power adapter.
Channel Select:
Selects channel that you want to view.

CHAPTER 2

Hardware Installation

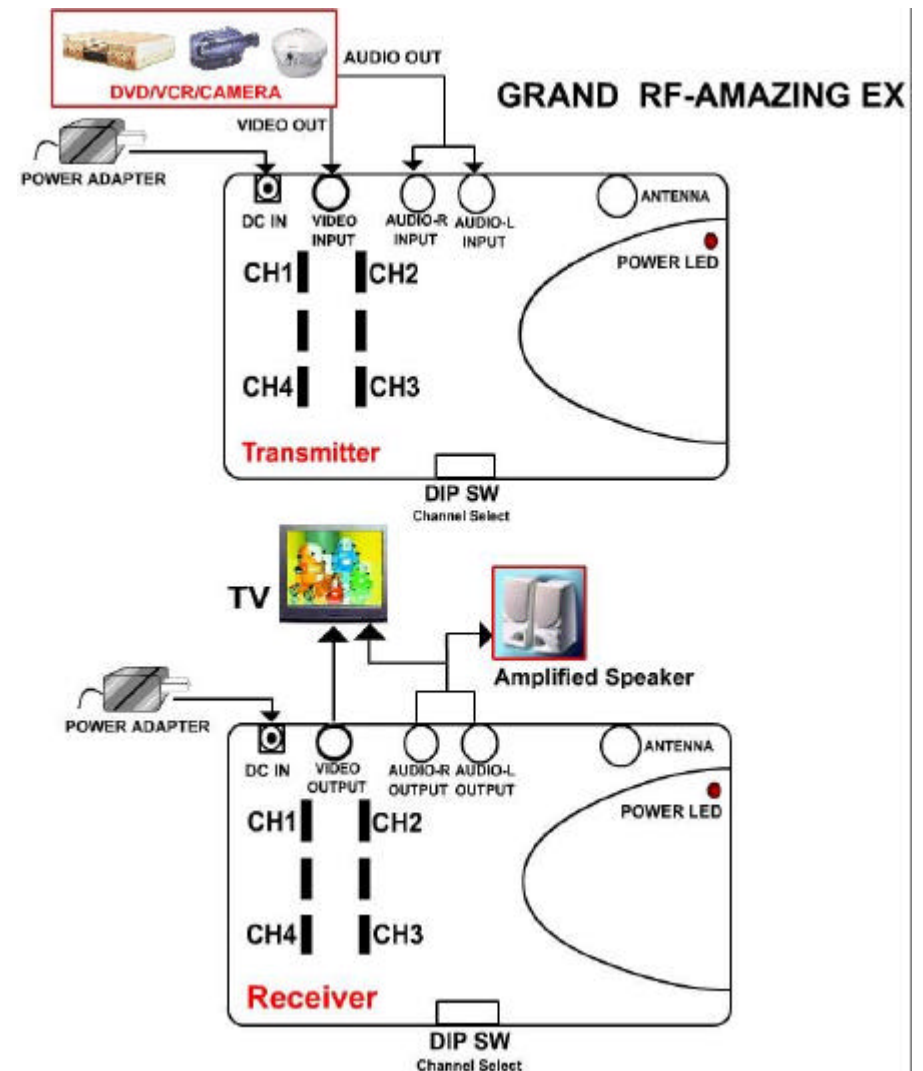
2.1 Introduction

Using absolutely no wires, Grand RF AMAZING EX can send audio or video signals from virtually any sound or picture source to any TV or powered speakers using the same connectors as your other electronics. To enjoy wireless video and audio, just connect the transmitter to whatever picture or sound source you want to view or hear at another location, and then connect the receiver to the TV or powered speakers in that other location. Then plug-in the Adapter (DC 6V, 800mA) on both the transmitter and receiver and you are ready to go wireless.

2.2 Installation and setting up the channels

1. Grand RF AMAZING EX Tx (Wireless Transmitter) : set up the channel (4 selectable channels), link the Transmitter and picture or/and sound source with an AV wire, and plug-in the adapter (DC 6V, 800mA)
2. Grand RF AMAZING EX Rx (Wireless Receiver) : Link the Receiver and TV with an AV Wire, please adjust the Dip-Switch at the back of the Receiver. Setting up the channel that you wish to view: place the channel dip-switch in the "down" position. Setting up channels that you wish to disable : place the channel dip-switch in the "up" position i.e. If the CH1 dip - switch is in the down position, means CH1 will be selected. Use the same procedure to select the other channels

3. The users can use four wireless Transmitters (Grand RF AMAZING EX Tx) on 4 different channels. The Wireless Receiver (Grand RF AMAZING EX Rx) can receive up to 4 difference frequency signals.



CHAPTER 3

Trouble Shooting

Please check the following chart for a possible solution of problem. If you are experiencing, a minor adjustment may eliminate the problem.

Symptoms	Possible Solutions
No picture or sound	1. Be sure power adapter is plugged in. 2. Be sure AV cable is connected.
Interference Noisy picture or audio	1. Adjust receiver antenna orientation. 2. Adjust transmitter antenna orientation. 3. Select a different channel with the jumper on transmitter and adjust the Dip-Switch at the back of the Receiver, so that the channels match.

When you need RMA or advanced technique service, please fill this form as detail as possible and FAX to your dealer.

Product S/N:			
Name:			
TEL No.:		FAX No.:	
E-mail address:			
Full Address:			
Hardware condition:			
Mainboard chipset:			
Mainboard CPU:		CPU clock:	MHz
Main memory:	MB	Cache memory:	KB
VGA card:		Display memory:	MB
Sound card:		Hard Disk:	MB
Other add-on cards:			
Monitor:		Horizontal Freq.:	KHz to KHz
		Vertical Freq.:	Hz to Hz
Problem description:			