

Chapter 1 Welcome to Grand RF Grabber USB

(2.4GHz Wireless Audio/Video Transmitter & Receiver with USB Video Capture)

User's Manual

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Federal Communications Radio Frequency Interference Statement.

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 against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual 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 or 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.

Notice :

- (1) The changes or modifications not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.
- (2) Shielded interface cables and AC power adapter, if any must be used in order to comply with the emission limits.

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Chapter 1 Welcome to Grand RF Grabber USB

(2.4GHz Wireless Audio/Video Transmitter & Receiver with USB Video Capture)

1.1 Introduction

The **Grand RF Grabber USB** is a Wireless Audio & Video transmitter and receiver that delivers amazingly clear audio and video up to 100 meters in open areas. (30 meters through walls or floors) Four selectable transmitting channels allow multiple transmitters and receivers operating in the same area. With the video capture function, it can capture both still & full motion video (.bmp & .jpg file). It is the bridge between your analog video source (VCR, analog camera, camcorder) and your computer. The hardware capture lets you capture images instantly. The Grand RF Grabber USB is not only ideal for home security, room, and child monitoring. It can also be applied for video capturing, image capturing, and video conferencing.

1.2 Features

- It is easy for remote application on entertainment, attendance & security.
- Supports RCA Video IN, S-Video IN & stereo phone jack Audio IN.
- Hot plug and play capabilities. No need to turn off your PC when installing.
- Four channels available for best quality selection,
CH1=2410MHz, CH2=2430MHz, CH3=2450MHz, CH4=2470MHz.
- View or record the image on TV/VCR/VCD/DVD player or computer with video capture function.
- When you connect a RCA cable to the Video IN of receiver, it will replace & disconnect the remote input video signal.
- With a Capture key on the receiver, you can press this key to capture the image directly.
- With the Video/Audio output connector on the receiver, you can connect the Video/Audio cable directly to a TV as AV sender & no need to plug the USB

cable to your PC.

- ISM Band: Audio/Video on four selectable channels,
CH1=2410MHz, CH2=2430MHz, CH3=2450MHz, CH4=2470MHz.
- Full Range: EIA, CCIR, NTSC, PAL
- Built-in PLL circuit

1.3 Specification:

- ISM Band: 2400Mhz ~2483Mhz Audio/Video on four selectable channels,
CH1=2410MHz, CH2=2430MHz, CH3=2450MHz, CH4=2470MHz.
- Antenna Mode: Dipole.
- Demodulation Method: FM.
- Frequency Generating: P. L. L.
- Video Output : 1Vpp/ 75 ohm Composite Video.
- RF Output Power: Follow the regulation.

Transmitter:	USB Receiver:
● DC power IN (Adaptor) : DC 6V, 800mA ● Frequency Stability: $\pm 100\text{KHz}$ ● Current Consumption: under 100mA (Typical) ● Audio Input Level: 1 Vrms (Typical) ● Antenna Port: 50 Ohm PCB Track.	● ISM Band: 2400Mhz ~ 2483Mhz Audio/Video on four selectable channels, CH1=2410 MHz, CH2=2430 MHz, CH3=2450 MHz, CH4=2470Hz. ● Antenna Mode: Dipole. ● Antenna Port : 50 Ohm PCB Track. ● RF Receiver Current Consumption: Under 450mA.(Typical) ● RF Receiver Sensitivity: -80dbm. (Minimum) ● Dipole antenna provides optimal video and audio reception. ● High speed compression supports real time image output. ● Supports following video formats and frame rate with compression: 640 X 480 9 ~ 15 fps 352 X 288 25 ~ 30 fps 320 X 240 30 fps 176 X 144 30 fps 160 X 120 30 fps ● TWAIN compatible hardware capture.

1.4 Package Contents

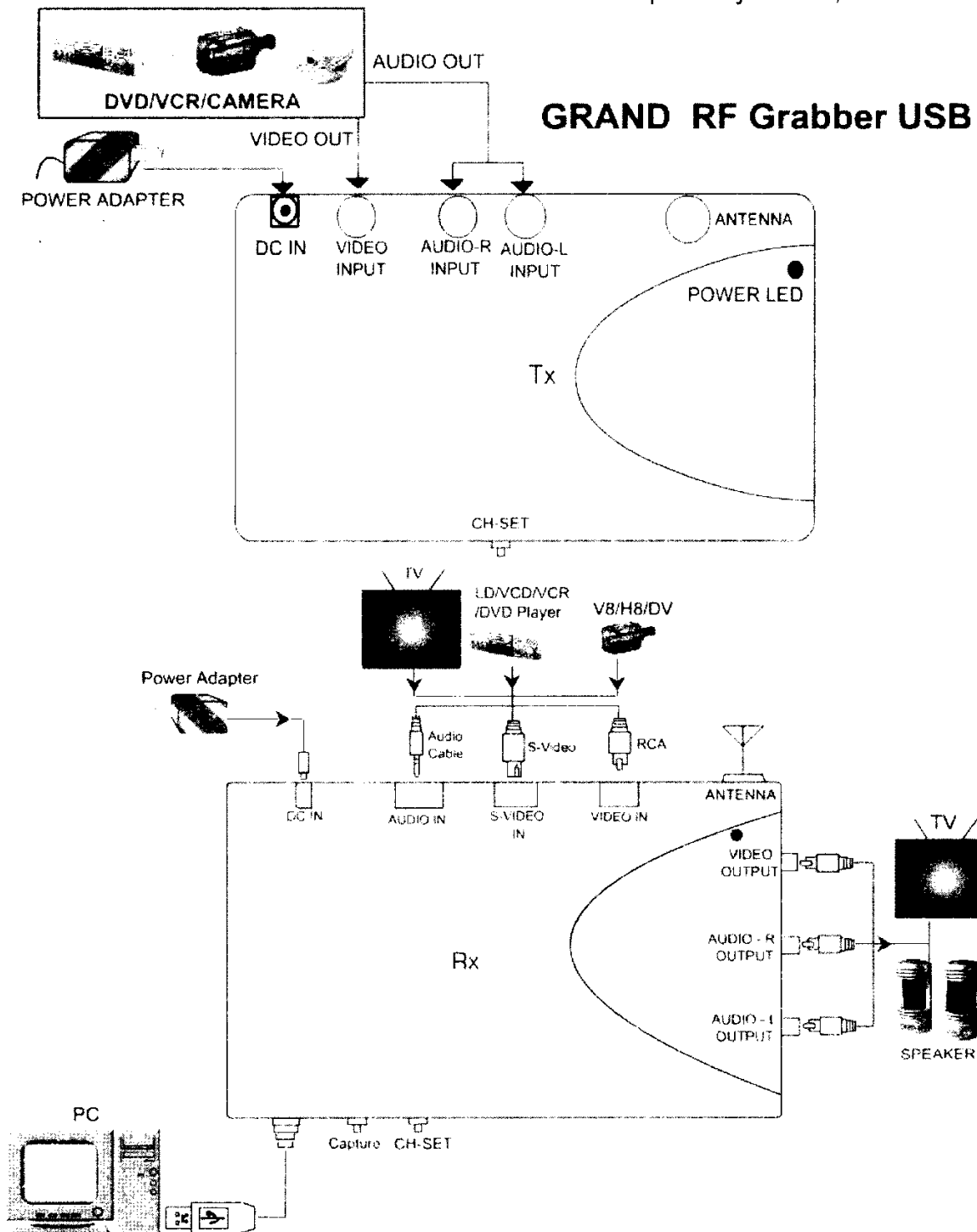
- Grand RF Grabber USB TX
- Grand RF Grabber USB Rx
- User's manual
- Video/Audio cable x 2
- S-Video cable
- Audio cable
- Video cable
- Power adapter x2
- Driver Disk & Application Disc
- Battery pack (optional)

Chapter 2 Installation

2.1 Install the Grand RF Grabber USB

Insert the supplied driver disk to your Floppy device.

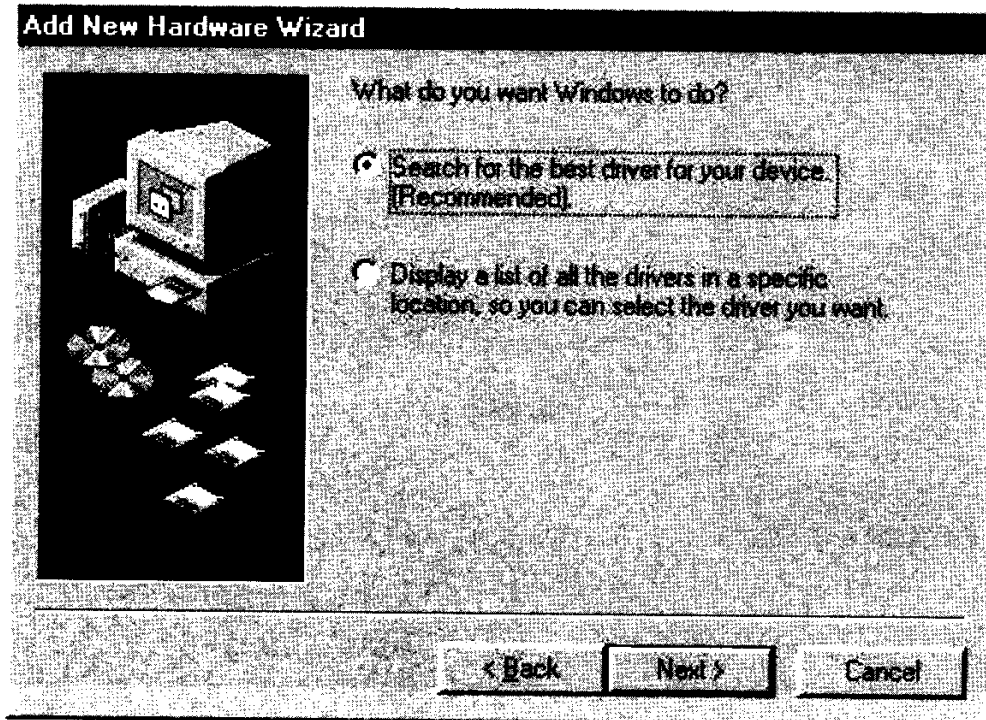
1. Connect the supplied power adapter (DC 6V, 800mA) to both Transmitter & Receiver & then set up the channel (4 selectable channels).
2. Connect the USB cable of Receiver into the USB port of your PC,



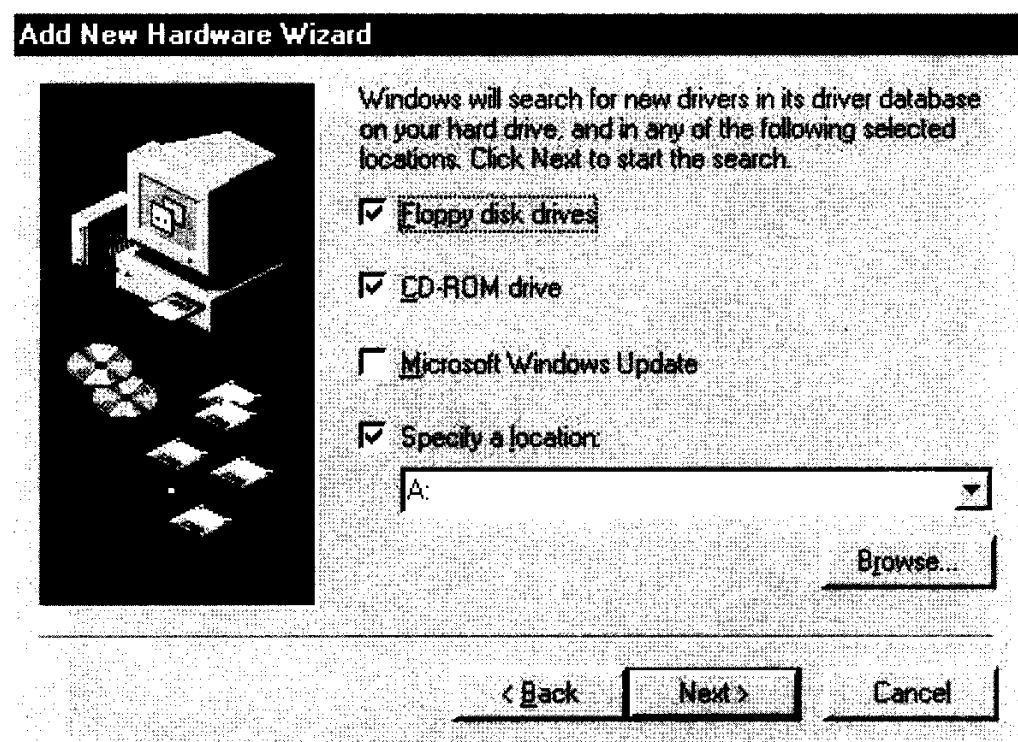
3. The Windows automatically detect as “USB composite device” and pop up the “Add new hardware wizard”. and click **Next** button.
4. **NOTE : There are 3 devices must be installed. There are 【USB Composite Device】、【Zoran USB Live! Pro Audio Device】 & 【Zoran USB Live! Pro Device】 .**



5. Check the “Search for the best driver for your device(Recommend).”, then click the Next button.



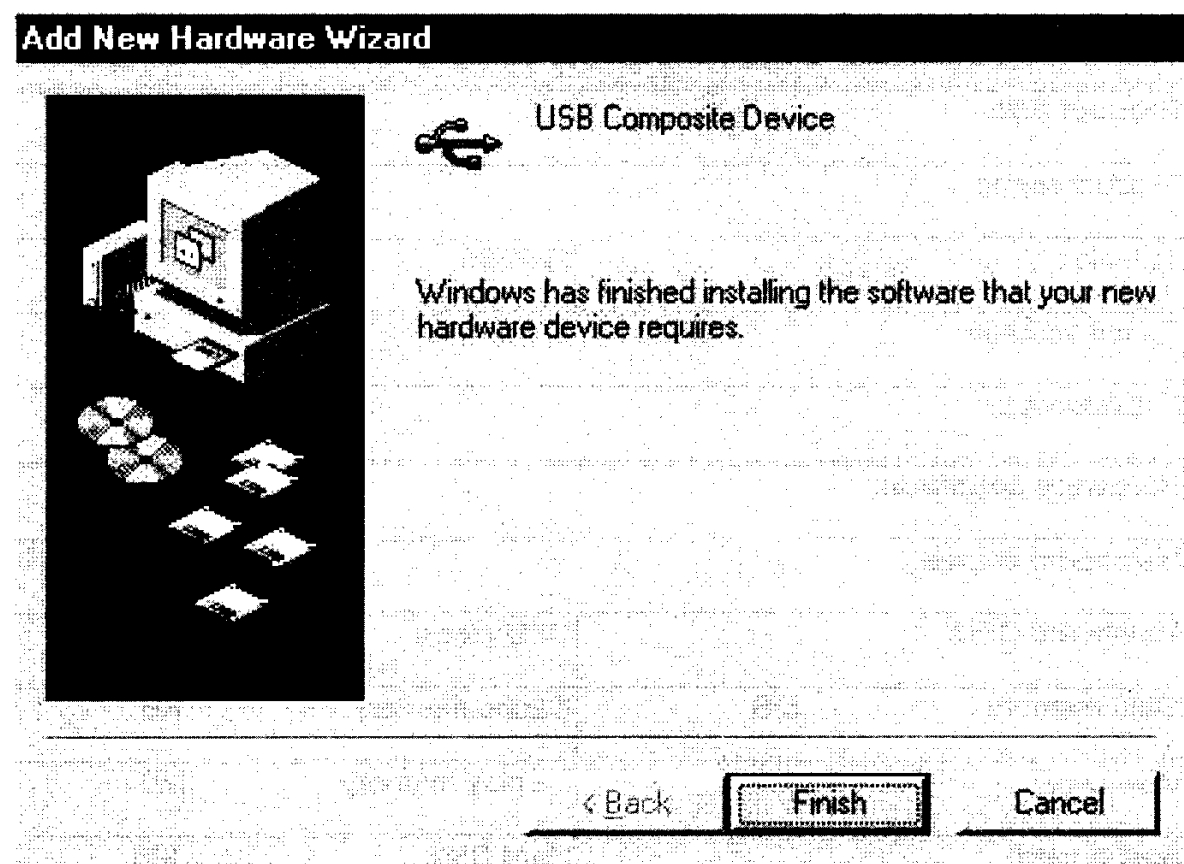
6. Check the "Specify the location" , and type A:\ to specify the device driver location.



7. Please click **Next** to continue.



8. Please click **Finish** to complete Setup.



9. Using the same way to install the driver for both "Zoran USB Live! Pro Audio device" & "Zoran USB Live! Pro device".

Chapter 3 Technical Support

When you need RMA or advanced technical service, please fill in this form as detailed as possible and FAX to your dealer or service representative.

Product S/N:			
Product 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:			

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