

# USB202 Video/Audio to USB 2.0 Adaptor

Operation Manual



# 1. Introduction

**USB 202** is a plug-n-play real-time video /audio capture box with USB 2.0 interface to PC. You can preview, record, or playback audio/video from a VCR, camcorder, or DVD on your PC. The input audio/video can be captured in MPEG 2 or MPEG 4 format, which subsequently can be edited, added titles and burn onto a disc to create your own VCD, SVCD or DVD titles. You can also snapshot a video to create a still image in BMP/JPG format.

USB2.0 interface provides a high-speed transmission rate so you can watch video programs at high resolution up to DVD quality. It offers a simple and easy way to get all of your old VHS tapes or movies on to VCD or DVD so you can preserve your family treasures for a lifetime.

# 2. Features

- . External USB 2.0 plug-n-play video/audio capture box, no power adapter needed
- . Composite Video or S-Video input; supports NTSC, PAL and SECAM input system
- . Stereo audio input
- . Bundled with capture and edit software:
  - > **WinAVUL-M9205** for preview, record and playback AV signal on your PC, and convert image file format
  - > **WinDVD\_Creator** for video editing and burning video into VCD or DVD or SVCD data disc.
- . Snapshot to save still image as BMP or JPEG file.
- . Video captured in MPEG 2 VGA/MPEG 2 DVD-NTSC/MPEG 2 DVD-PAL/ MPEG 4 VGA/MPEG 4 DVD-NTSC/MPEG 4 DVD-PAL format.
- . High video resolution up to DVD quality
- . Supports resolution up to 720x480(NTSC)/720x576(PAL)/640x480 at 30 and 25 frame/sec. respectively.
- . Preview on full screen and window size adjustable.
- . Compatible OS: Window XP

### 3. Specification

- . Fully compliant with USB Specification Revision 2.0
- . Input Signal:
  - NTSC/PAL/SECAM composite video or S(Y/C) video at 1 Vp-p 75 ohm.
- . Stereo audio input.
- . Output Format:
  - > Snapshot still image: BMP/JPG
  - > Captured Video Resolution:

IN \ OUT	MPEG 2 VGA	MPEG 2 DVD	MPEG 4 VGA	MPEG 4 DVD
NTSC	640x480	720x480	640x480	720x480
	29.97fps	29.97fps	29.97fps	29.97fps
PAL/SECAM	640x480	720x576	640x480	720x576
	29.97fps	25fps	29.97fps	25fps

Data Transmitting Rate:

IN \ OUT	MPEG 2 VGA	MPEG 2 DVD	MPEG 4 VGA	MPEG 4 DVD
Video(max)	6 Mbps	6 Mbps	3 Mbps	3 Mbps
Audio(max)	48KHz	48KHz	44.1KHz	44.1KHz
	384kbps	384kbps	354kbps	354kbps

- . Dimension: 65(W) x 102(D) x 26(H) mm
- . Weight: 70g

### 4. Package

- . USB 202 Capture Box
- . Software Installation Disc  
(Includes driver, AP software--- WinAVUL-M9205,  
WinDVD\_Creator....)
- . Serial number of WinAVUL-M9205 and WinDVD\_Creator
- . USB Cable
- . Video Cable
- . S-Video cable
- . Phono-RCA Audio cable
- . User Manual

## 5. Hardware connection



## 6. Computer system requirement

### . When Previewing

- > Pentium IV 2.4GHz CPU or up
- > USB 2.0 port
- > Hard Drive speed 5400 rpm
- > Graphic card with 16MB memory or up
- > Sound Card
- > 128MB main memory
- > DirectX 9.0C or up
- > Windows XP

### . When Recording

- > Pentium IV 2.4GHz CPU or up
- > USB 2.0 port
- > Hard Drive speed 7200 rpm
- > Graphic card with 32MB memory or up
- > Sound Card
- > 128MB main memory
- > DirectX 9.0C or up
- > Windows XP

## 7.USB202 Installation

Step 1>Power off the computer first with no USB 202 connection.

Step 2>Power on the computer.

Step 3>Connect USB202 to computer's USB2.0 port with USB cable.

Step 4 > A screen as Figure 1 will come up.



Figure 1

Step 5 > A dialogue box as Figure 2 will come up to request the installation of the driver. Click [Cancel]

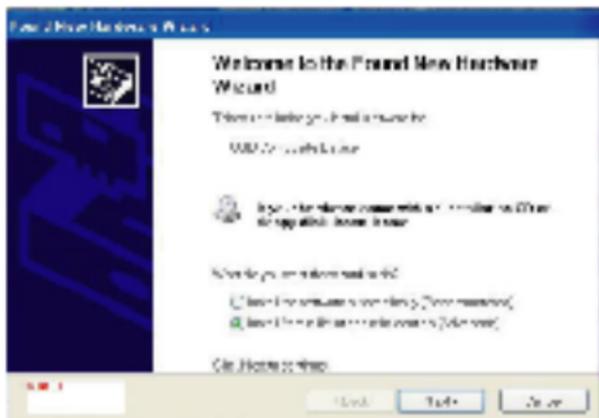


Figure 2

Step 6 > Select CD-ROM Drive

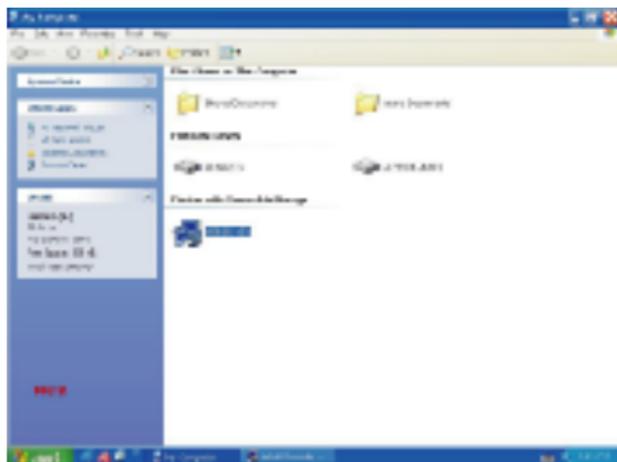


Figure 3

## 8.USB202 Application Software Installation

. An auto run Menu will come up for installation of Driver and other application softwares:

- > WinAVUL-M9205 : The application software of USB 202. It must be installed so user interface of the USB 202 can be set up.
- > WinDVD\_Creator: It is a video editing and burning software developed by InterVideo.  
The software must be installed so WinAVUL-M9205 can perform completely.
- > DirectX : Microsoft DirectX9.0 must be installed in order for WinAVUL-M9205 to work normally.
- > Browse : Browse the CD.
- > Exit : Exit installation window.



Figure 4

## 8.1. Application Installation

Step 1 > Click "WinAVUL-M9205" to start the installation, the InstallShield Wizard will come up as Figure 5, Click "Next"

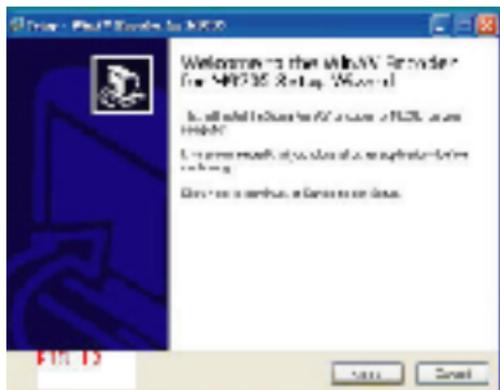


Figure 5

Step 2 > Select your desired Destination Directory where the WinAVUL-M9205 will be installed and Click [Next]

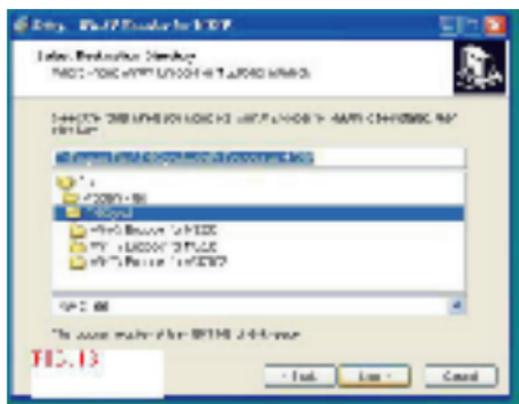


Figure 6



Step 5 > When dialogue box as Figure 9 come up. Click [Install]



Figure 9

## 8.2. Driver Installation

Step 6 > When installation of WinAVUL is complete a dialogue box as Figure 10 will come up. Click [Next]

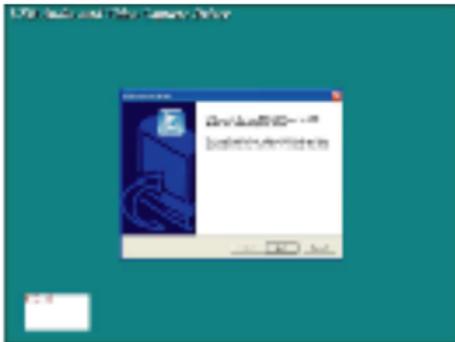


Figure 10

Step 7 > Click [Continue Anyway]

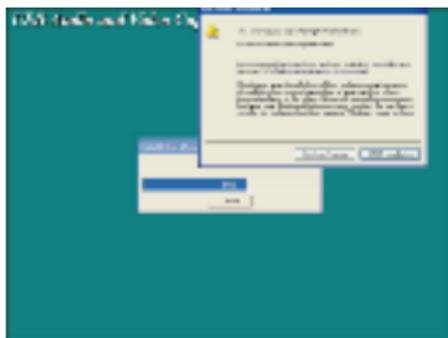


Figure 11

Step 8> A screen as Figure 12 will come up when the driver installation is finished.



Figure 12

Step 9> When installation is completed a dialogue box as below come up to ask whether you want to restart your computer. Click [Yes] and Click [OK]

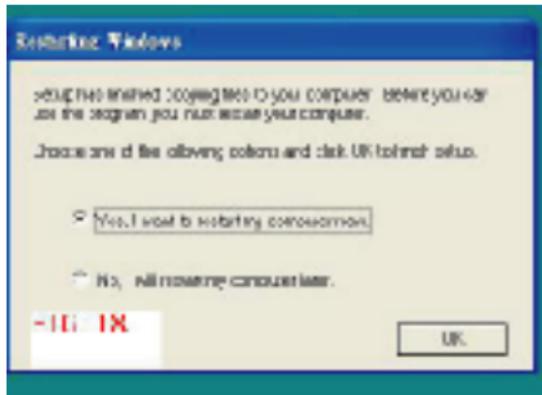


Figure 13

### 8.3. WinDVD\_Creator

Step 1> Click [WinDVD\_Creator] to install [InterVideo] WinDVD\_Creator software.



Figure 14

Step 2 > When dialogue box as below come up Click [Next].

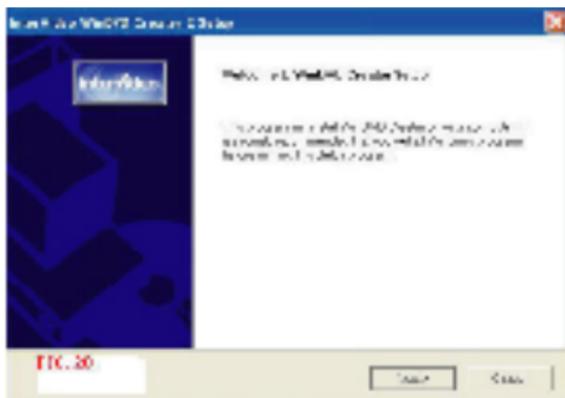


Figure 15

Step 3 > Click [Yes]



Figure 16

Step 4 > Click [Yes]

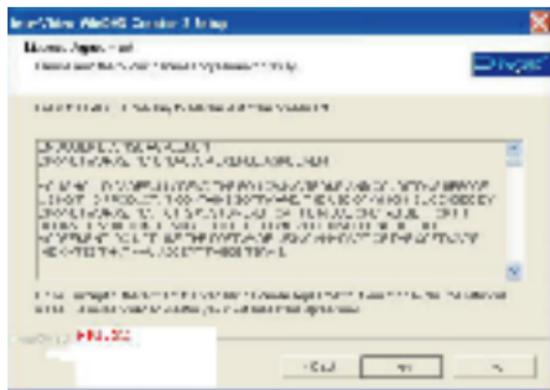


Figure 17

Step 5 > When dialogue box as below come up to ask the user information, key in your user name and serial number of WinDVD\_Creator, Click [Next]

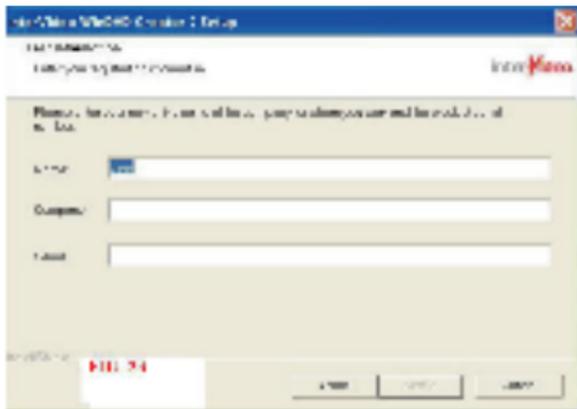


Figure 18

Step 6 > Click [Next]



Figure 19

Step 7 > Click [Next]



Figure 20

Step 8 > Click [Finish]



Figure 21

## 8.4 DirectX Installation

Step 1 > If your WindowXP is Service Pack 1 carry on to install the [DirectX]  
If it's Service Pack 2, skip the installation of DirectX,Click [DirectX]



Figure 22

Step 2 > Select [I accept the agreement], Click [Next]



Figure 23

## 8.4 DirectX Installation

Step 3 > Click [Next]

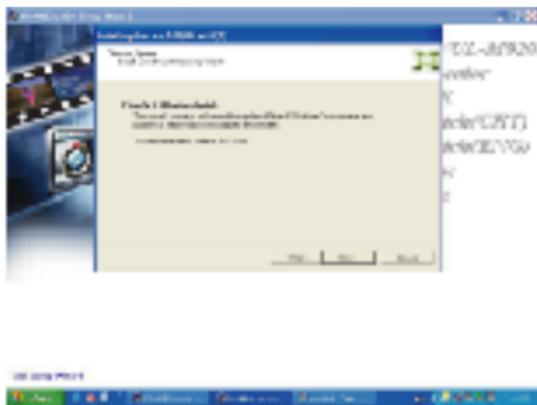


Figure 24

Step 4 > Click [Finish]



Figure 25

## 8.5 UsbPatch (ENG) Installation

Step 1 > If your WindowXP is Service Pack 1 carry on to install the [UsbPatch (ENG)].

If it's Service Pack 2, skip the installation of [UsbPatch(ENG)].



Figure 26

## 9. Set up the program

1. After installing all softwares, an icon of USB Audio and Video Capture Driver will appear in " My computer" window.

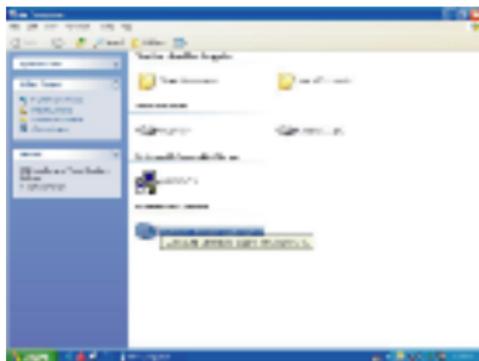


Figure 27



#### 4. Select TV system configure

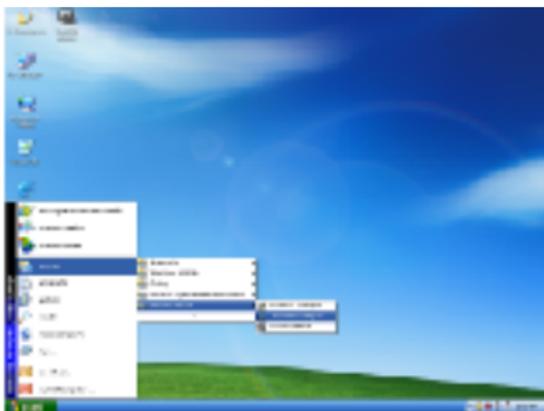


Figure 30

#### 5. Confirm all parameters are correct and select ok.

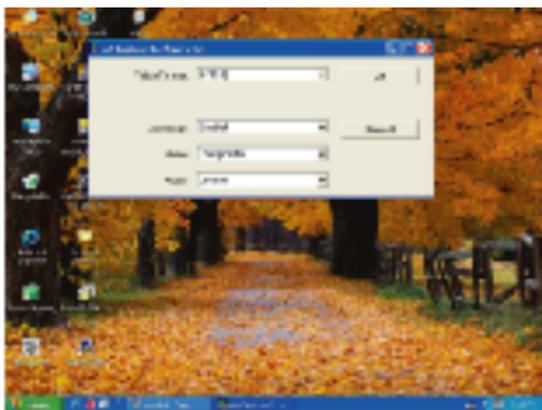


Figure 31

6. Select WinAVUL-M9205

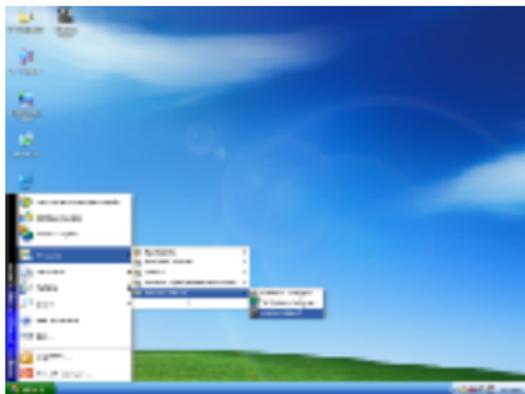


Figure 33

7. A dialogue box as below will come up when you first use the program.  
Type in the serial number printed in the disc.



Figure 34

8. The control panel of USB 2.0 DVR is as below---Figure 34

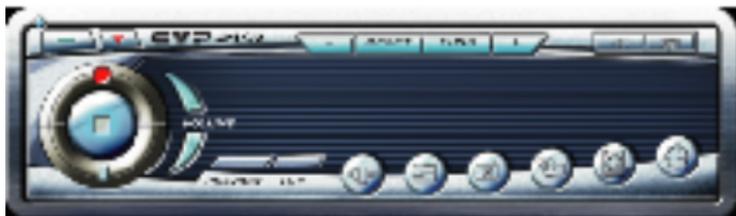


Figure 34

Explanation of panel buttons:

BUTTON	FUNCTION	EXPLANATION
	Power Off	Terminate USB2.0 DVR program
	Minimize	Minimize window size
	Preview	Preview window - ON/OFF
	Top Most	Window always on top - ON/OFF
	Source	Video source select - composite video or S-video

BUTTON	FUNCTION	EXPLANATION
	Snapshot	To show Snapshot Window and save still image as BMP or JPEG file
	Help To show	Help Window for the explanation of operation
	OSD Function	OSD picture adjustments for Brightness, Contrast, Hue, Saturation
	Tune Backward	Decrease setting value
	Tune Forward	Increase setting value
	OSD Default	Return to default value
	Play	Playback pre-recorded or selected video file, the icon is then switched to Stop after activation
	Stop	Stop playing during playback a video file
	Record	Record video to a MPEG file
	Pause / Freeze	Pause/Freeze during recording or playing back
	Volume - / +	Volume Up / Down adjust
	OSD Timer	To start up timer function during recording, or playback, the time/date information at the time of recording will appears.
	Schedule	Press the key to set up video recording at a predetermined time and length of recording.
	Mute	Audio mute function.