

## CWF-901SP & CWF-901 Wi-Fi to TV Smart Player



# **Operation Manual**



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## **SAFETY PRECAUTIONS**

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

## **REVISION HISTORY**

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
VRO	30/12/11	Preliminary Release
VR2	04/02/12	Add 901SP function
VS1	21/11/12	Updated format/diagrams



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## **1. INTRODUCTION**

The WiFi Smart Player to TV can send video/audio signals from a smart phone, PC or Laptop through Wi-Fi to a TV for use as the primary display. The SmartPlayer is designed as a DLNA DMR (Digital Media Renderer) enabling users to easily send audio, video and pictures from a connected source device to a TV wirelessly. This device can also function as a Wi-Fi Access Point for users to access a wired internet connection with their laptops or mobile devices. Displaying audio, video and pictures through network streaming, the WiFi Smart Player is a simple yet incredibly useful device for sharing content.

## 2. APPLICATIONS

- Wireless PC/NB to TV streaming
- Wireless Smart phone to TV streaming
- Connect a PC/laptop to a TV
- Wi-Fi Access Point

## **3. PACKAGE CONTENTS**

- Wi-Fi Smart Player
- USB Wi-Fi Dongle
- 5V/2.6A DC power Adaptor
- Software CD-ROM (Operation Manual include inside)
- Operation Manual

## **4. SYSTEM REQUIREMENTS**

In order to run the application smoothly, please refer to the following hardware recommendation.

#### Desktop/Workstation PC:

- CPU: Intel Core 2 Duo 2.0G or better
- Chipset: Intel 965 series chipset or better
- Memory: DDR2-800, 2GB or better
- Graphic Card: NVIDIA GeForce 8400GS / ATI Radeon X300 or better
- Network: 802.11 g/n Wi-Fi and/or 100/1000 Mbps Ethernet



#### Notebook/Laptop PC:

- CPU: Intel Core 2 Duo 2.0G or better
- Chipset: Intel 965 series chipset or better
- Memory: DDR2-800, 2GB or better
- Graphic: Chipset integrated (Intel X3100 Graphic) or better or NVIDIA GeForce Go 8200M/ATI Radeon Mobility X300 standalone graphic chip or better
- Network: 802.11 g/n Wi-Fi and/or 100/1000 Mbps Ethernet

#### Supported OS:

- Windows 7 32 and 64-bit
- Windows Vista 32 and 64-bit (Service Pack 1 or later)
- Windows XP (Service Pack 3 or later)

Note: This product does not currently support Windows 8, drivers are under development. Please refer to manufacturer website for further details.

#### **5. FEATURES**

- Supports PC to TV and Smart Phone to TV wireless streaming
- Functions as a Wi-Fi access point, connect to a wired Ethernet network to enable wireless internet connectivity
- WiFi Smart Player is a device that designed as a DLNA DMR (Digital Media Renderer) device
- Display picture, audio, and video content through network streaming
- USB port for Mouse/Keyboard/HDD/USB Drive
- USB flash disk for firmware upgrade



#### 6.1 Top Panel



**1** Power LED: The LED will illuminate blue when the device is connected to a power supply.

#### 6.2 Front Panel



**1 USB Port 1/2:** Connect to the supplied Wi-Fi module or USB devices such as Keyboard, Mouse etc..



#### 6.3 Left Panel



 USB Port 3: Connect to the supplied Wi-Fi module or USB devices such as Keyboard, Mouse etc..

#### 6.4 Rear Panel



- **1 5V DC:** Connect the 5V DC power supply to the unit and plug the adaptor into an AC wall outlet.
- **2** HDMI OUT: Connect the HDMI output port to the HDMI TV/display.
- **3 Ethernet:** Connect to a wired ethernet network with CAT5e/6 cable to create the Wi-Fi access point.

#### 6.5 USB Wi-Fi Dongle



**USB Dongle:** Plug the Wi-Fi dongle into any of the Smart Player's USB ports for wireless signal transmission.



## **7.SOFTWARE INSTALLATION**

The following sections describe the procedures for installing the PC2TV device's drivers. Insert the supplied CD-ROM into the input source's CD-ROM drive to begin the installation.

#### 7.1 Installing the Software

- Insert the CD-ROM included in the package and double click on the PC2TV.exe file " #" to start the setup process.
- Browse to the folder where the files should be unpacked and click "Continue" to start Installation.





• The "InstallShield Wizard" will install PC2TV on your input source device and click "Next" to continue.

PC2TV	×
	Welcome to the InstallShield Wizard for PC2TV
	The InstallShield® W/zard will install PC2TV on your computer. To continue, click Next.
	< Back Next > Cancel

• Add the program icons to the program folder. You may type a new folder name or select one from the existing folders list and click "Next" to continue.

Select Program Folder		and the second
Please select a program folder.		
Setup will add program icons to the	Program Folder listed below. You may ty	pe a new folder
Program Folders:	g folders list. Click Weak to containe.	
PC2TV		
, Existing Folders:		
Accessories		
Administrative Lools		
Games		E
Logitech		
Maintenance Microsoft Office		
Microsoft Silverlight		
Sage Accounts		-
Jodgorioodarko		
allShield		



• Press "Analysis" to evaluate your computer system.



• The Benchmark Information will evaluate whether or not your computer system meets the minimum requirement.





• After the setup is complete click "Finish" and restart your source device.



#### 7.2 Removing the Software

Follow the steps below to uninstall the PC2TV Software

- Step 1: Open the "Start" menu and select "Control Panels", then click on the "Programs and Features" control panel to open it.
- Step 2: Right click on the entry for the PC2TV application and select "Uninstall" from the pop-up menu.

stallShield Wizard Setup Status	
PC2TV Setup is performing the requested operations.	
Removing applications	
88%	
stallShield	
	Cancel



Step 3: Click on Finish to complete the uninstall process.



Configure your PC or Smart Phone to connect to the Smart Player or access the Wi-Fi access point.

Note: The number, thickness and location of walls, ceilings or other objects that the wireless signals must pass through, may limit the range of the wireless network. Typical ranges will vary depending on the types of materials used in the construction of the local area and any background RF (radio frequency) noise in that location.

#### 7.3 Computer Easy Connection

Step 1: Go to the "Start" menu and select "Control Panels". Doubleclick the "Network and Sharing" control panel to open it. In the options, click on "Connect to a Network" and select the network "PC2TV\_PRO\_ AccessPoint" from the menu to connect to the Internet.

Step 2: Click the PC2TV icon "

' on the windows desktop, to run



Step 3: Click "Play" to establish computer contents to display.



Step 4: Click "Stop" to disconnect the connection.



#### 7.4 Smart Phone Easy Connection

To connect your Smart Phone or Mobile Device it needs to support DLNA (Digital Living Network Alliance) function. If the Smart Phone does not support DLNA, users can download DLNA software like "SKIFTA" from Android market or App store.

To configure your Internet settings for Smart Phone devices:

- From the Home screen, sweep your finger downward to display the Notification Panel.
- Select Wi-Fi to turn Wi-Fi ON.
- When your phone completes a scan, select the Wi-Fi network "CWF-901SP" to connect to.
- Select the PC2TV(DMR) for display system
- For non-DLNA Smart Phone, users may download and run software like "Skifta".
- For Samsung DLNA Smart Phones, please run the "AllShare" software.



• For HTC DLNA Smart Phones, Please run the "Connected Media" software.

Note: The Smart Phone's DLNA installation may vary according to brand and therefore, the instructions above are for reference only. For other DLNA Smart Phones not listed above, please refer to the Smart Phone's user manual or contact your Smart Phone's customer support.

#### 7.5 Using the Point Application

To enable the Wi-Fi access point functionality, connect the unit to a wired ethernet network with a CAT5 cable. Multiple computers or Wi-Fi devices can be connected through the CWF-901SF. If the Wi-Fi connection speed appears to slow down, disconnect some of the linked devices in order to release more bandwidth.

To configure the Internet settings of Windows computers:

- Click on the network connection icon in the system tray on the bottom right hand corner of the screen and select CWF-901SP or
- Go to the "Start" menu and select "Control Panels". Double-click the "Network and Sharing" control panel to open it. In the options, click on "Connect to a Network" and select the network "CWF-901SP" to connect to the Internet.



#### 8. CONNECTION DIAGRAM



9. SPECIFICATIONS

Host Interface	1×802.11n Wi-Fi and 100/1000Mbps Ethernet
Output Port	1×HDMI
Extender Port	3×USB (Keyboard and Mouse only)
Supported Video	WMV, AVI, MPEG-1/2/4, 3GP & MOV with
(DLNA DMR)	2CH with bit-rate under 15Mbps
Audio Supports	LPCM, MPEG-1, WMA, WAV, MPEG-4,
(DLNA DMR)	AAC, OGG, 3GP & MP3 with 2CH
Resolution Supports	DLNA DMR: Up to 1920×1080PC to TV: Up to 1280×720 or Up to 1920×1080 with Sandy Bridge
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Power Supply	5V/2.6 A DC (US/EU standards, CE/FCC/UL certified)
Dimensions	100mm (W)×70mm (D)×20mm(H) 56mm(W)×20mm (D)×9mm(H)
Weight	100g (Main Unit), 8g (SP)
Chassis Material	Plastic
Silkscreen Color	White
Operating Temperature	0 °C~40 °C/32 °F~104 °F
Storage Temperature	−20 °C~60 °C/−4 °F~140 °F
<b>Relative Humidity</b>	20~90 % RH (non-condensing)
Power Consumption	5.5W

SUPPORTED PICTURE FORMATS	
Format	File Extension
GIF	gif
PNG	png



ВМР	bmp	
JPEG	jpg, jpeg	
Format	File Extension	
LPCM	pcm, wav	
MPEG-1 Layer 3	mp3	
WMA	wma	
WAV	wav	
MPEG-4	mp4	
AAC	aac	
OGG	ogg, oga, ogv	
LPCM	pcm, wav	
MPEG-1 Layer 3	mp3	
WMA	wma	
WAV	wav	
MPEG-4	mp4	
AAC	aac	
OGG	ogg, oga, ogv	
Format	File Extension	
WMV	wmv	
AVI	avi	
MPEG-1	mpg, mpeg	
MPEG-2	mpg, mpeg	
MPEG-TS	m2t, tts	
MPEG-4	mp4, mp4v, mpeg4, m4v	
3GP	3др, 3дрр	
3GP2	3g2, 3gpp2	
MOV	mov	
DVR-MS	dvr, dvr-ms	



## **10. TROUBLESHOOTING GUIDE**

configured.
Check that any Wi-Fi hardware is properly nstalled and functioning, including fitting any antennas that may be required.
Ensure that there is a good Wi-Fi signal by limiting the distance between the PC/Laptop and the unit and reducing obstacles that may impair the quality of he Wi-Fi signal (such as walls/doors etc.)
Check that the PC2TV application is properly installed, and comunicating with the unit (refer to Section 9.1).
2TV MODE)
Temporarily disable any virus checking software then try again, as it could block communication between the PC/Laptop and the unit. If it is confirmed, set the PC2TV application to be allowed by the

#### PERFORMANCE ISSUES (PC2TV MODE)

Temporarily disable the firewall of the PC or Laptop's OS and then try again. The firewall could be blocking communication. If it is confirmed, set the PC2TV application to be allowed by the firewall.

When the PC/Laptop first connects to CWF-901SP, if the OS prompts and asks whether this is a public, home or a private connection, do not select public.



Sluggish or delayed playback of image, video and audio	Ensure that the PC/Laptop being used meets the minimum requirements (refer to Section 4 for details).
	Ensure that the drivers for the graphics card (or embedded graphics chipset) of the PC/Laptop are up-to-date.
	Shutdown any running applications that are not necessary to free up the PC/ Laptops resources. If there are several applications running on the PC/Laptop, the overall performance of the PC/ Laptop may be degraded, including the communication with the unit.
GENERAL ISSUES (BOTH PC	C2TV AND DLNA MODES)

Ensure that the unit is properly powered. Only use the 5V power supply included in the package.

If an Ethernet cable is used to connect the PC / Laptop to the unit, ensure that the cable is not faulty or damaged and that it is properly connected.

## 11. ACRONYMS

ACRONYM	COMPLETE TERM
DLNA	Digital Living Network Alliance

