Wi-Bridge User Manual

Ver. 1.0

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Brief Introduction

Thank you for choosing Wi-Bridge. The Wi-Bridge connects your PC, NB or smart device such as iPhone, iPad, Android phone and Android Pad to your HDTV or big screen monitor wirelessly in full HD up to 1080p video resolution to your digital life. Enjoy the comfortable space with big screen and big sound instead of crowding around a small screen of PC or cell-phone to enjoy, share and relax the music, photos, and videos, surf the net in ultimate full HDTV on the couch at home. Besides, you can show the presentation to the whole conference room wirelessly to save time of plug, unplug and transfer the cable. With the smart, portable and small design, you can use remote controller or wireless mouse to control playback smartly and easily and carry it with you everywhere and saving space.

Wireless Network Connection

● AP Mode (Default mode)

The Wi-Bridge device acts as a wireless access point. It allows you connect your windows computer or smart device to LCD TV directly. This setup constructs a temporary wireless network for a non-wireless environment.

Note: Please make sure your wifi workable before you connect to the Wi-Bridge
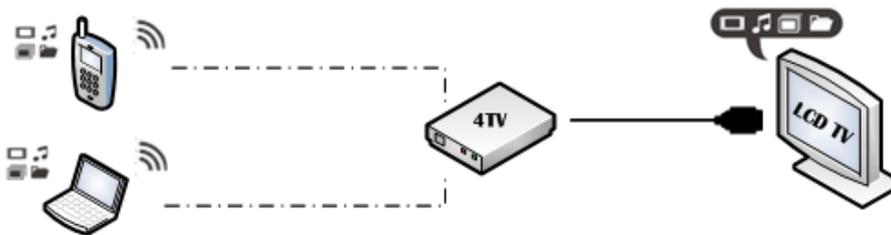
● LAN Mode

The Wi-Bridge device allows you to use same wireless network connect your windows computer or smart device to LCD TV. This setup provides capability for remote operation and internet connection. However, this setup is vulnerable to any interference in the WiFi signal.

Note: Please connect to AP mode first and switch to Lan mode base on compatible with Windows Control Application)
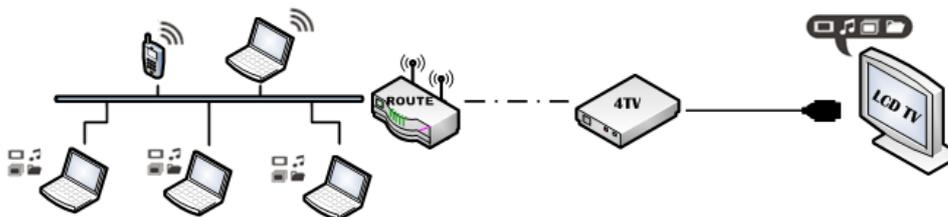
Product SPEC

Model Name	Wi-Bridge		
Type	Wireless Adaptor for your devices		
Output Connectors	1 x HDMI v1.3 port 1 x USB v2.0 port for keyboard/ mouse/ pen drive		
Video Support	Full HD 1080P Resolution		
Storage	NAND Flash: 256MB		
Memory	DDRII: 256MB		
WIFI SPEC & Range	WIFI 802.11 b/g/n; 10M ~ 30M (The transmission speed may vary according to the environment)		
PC/NB Compatibility	Windows 7, Windows XP		
Smart Device Compatibility	IOS: Supports iOS 4.0 or later, Android: Supports Android 2.2 or later		
Supported Languages	English, Simplified Chinese, Traditional Chinese		
System Requirement	OS	Windows 7 32/ 64 bit (Recommended), Windows XP 32 bit with SP2/SP3	
	CPU	Dual Core 2.0 GHz or better (Excluding Atom processor); 2nd Generation Intel® Core™ Processors (Intel® 6 Series - Sandy Bridge platform) is recommended	
	Memory	1 GB RAM is recommended	
	HDD	50 MB, 100 MB for running the program	
	Monitor / TV	1080P Resolution (1920 x 1080 is recommended)	
	WiFi	802.11n	
Accessories	Power Adapter x 1 (Input AC 100 ~ 240V, Output power 5V/2A)		
	HDMI cable x 1		
	Remote Controller x 1		
	Installation CD x 1 - Include Manual, Driver		
Product Dimensions & Weight	77mm x 103mm x 27mm; 0.5 Kg		
Wireless Network Connection Mode	Wireless AP of Multi-media Service (AP Mode)		
	Wireless LAN of Multi-media Service (LAN Mode)		
Mode Support	Support Streaming Mode Support Mirror Mode - Text & Video Mode		

Setup Guide

Wi-Bridge Setup Guide includes two parts:
1. Device Installation
2. Application Installation.

Device Installation

Step 1.   Connect the HDMI output on the Wi-Bridge device to the LCD TV.
Step 2.   Plug in the Wi-Bridge device power adapter to the outlet.
Step 3.   Press the Power button on the Wi-Bridge device to turn it on.

Wi-Bridge will be powered on. The Boot Screen & Home Screen as below will be shown on the LCD TV screen when the system is ready.
✓   Boot Screen

✓   Home Screen – AP Mode

The default setting will be **"AP mode"** when use Wi-Bridge for the first time. If you want to make the Wi-Bridge device connect to the wireless network, you can use the Remote Controller to configure the wireless network or use wireless mouse on Wi-Bridge to set the configure on LCD TV directly. For more detailed information, please refer to the "**Wireless Network Configuration**" (**page 11**) section.

You are able to connect to the device with the Notebook, PC, smart phone or tablet after you install the application. For more detailed information, please refer to the **"Windows Control Application"**(page 12), **"Android Control Application"** (page 19) or **"iOS Control Application" sections** (page23)

Applications Installation

● **PC/ NB Application installation under windows system**

Step 1. Double click setup application from Wi-Bridge CD.
Step 2. Click the [**I Agree**] button for license agreement to continue
Step 3. Click the [**NEXT**] button or the [**INSTALL**] button to complete the installation. Additional components will be installed automatically.

● **Android Application Installation under Android system (Tablet or Smart phone)**

Step 1. Access the Android Market and search "Wi-Bridge" application.
Step 2. Select the "Wi-Bridge" application and install it

● **iOS Control Application Installation under iOS system (Tablet or Smart phone)**

Step 1. Access the Apple AppStore and search "Wi-Bridge" application.
Step 2. Select the "Wi-Bridge" application and install it.

Wi-Bridge Device User Guide

Wi-Bridge Home Screen

After the Wi-Bridge Device has started, the Home Screen will be displayed on your TV. It shows the current network connection mode and the client device connection status.

If Wi-Bridge runs in LAN mode and is waiting for the client device to connect, the Home Screen will be shown as below.

If Wi-Bridge runs in LAN mode and a PC client device is connected, the Home Screen will be shown as below.

Note: Please connect to AP mode first and switch to Lan mode base on compatible with Windows Control Application)

If Wi-Bridge runs in AP mode and is waiting for client device to connect, the Home Screen will be shown as below.

Wi-Bridge Configure on LCD Monitor/ TV

You can do some setting the "Configure & Setting Icon" on the Monitor/ TV directly from **wireless mouse** for controlling. Because the default mode is "AP mode", you can set it on the Monitor/ TV easily. The screen will be shown as below.

Connect Setting

You can switch the mode from "Connect Setting".

Please select your wifi hotspot under AP mode and switch it to Lan mode.
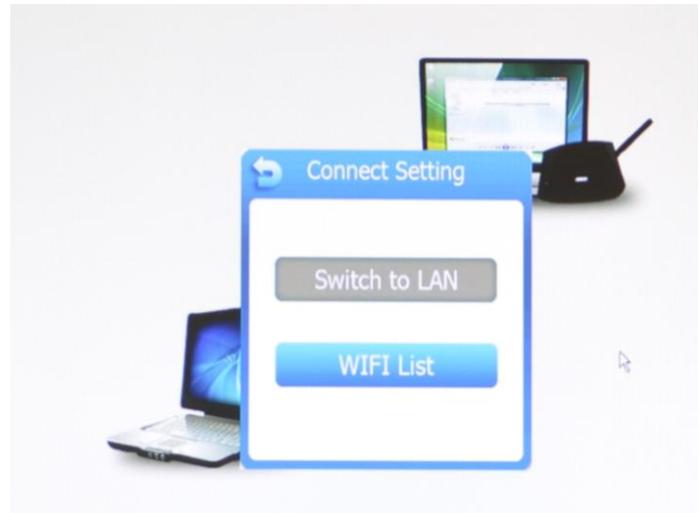
If the wireless network is protected with a password, the password Input screen will be shown. The wireless network information will be shown on the Home Screen; otherwise, the original connection will be kept and shown on the Home Screen.

Please wait with patient after you selected the wifi hotspot.

Note1: The device name should be in the English alphabets and/or underscores. And its length must be less than 12 characters long.

Note2: You can select the wifi hotspot under your device connected to Wi-Bridge.

Note3: Please wait with patient when you change to Lan mode or AP mode cause it need some time to scan the environment.
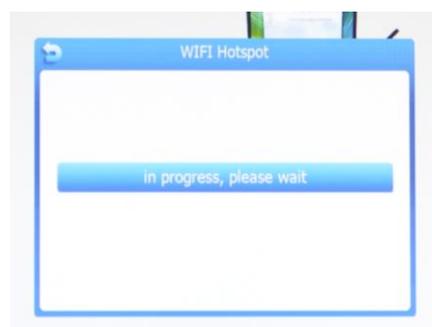
System Setting

The Wi-Bridge Device had been set to a default name when it was manufactured. User can rename the device using the Remote Controller without other control applications.
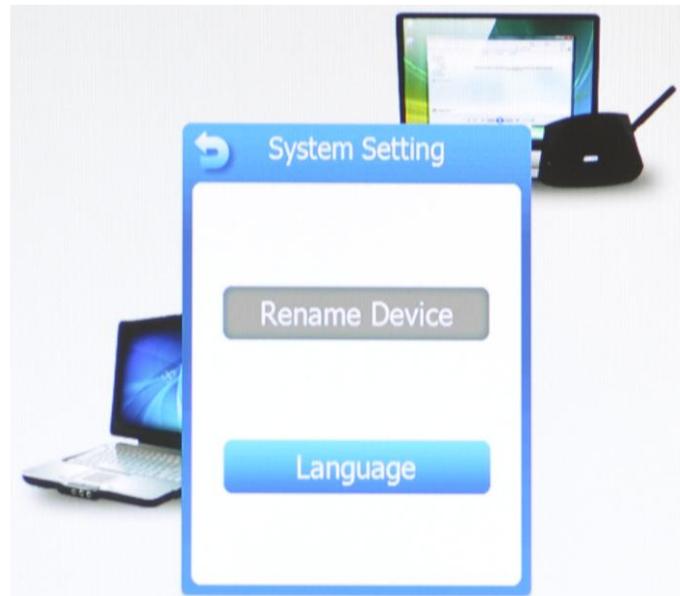
Wi-Bridge provides four languages for selecting – English, Simplified Chinese, Japanese and Traditional Chinese.

Remote Controller
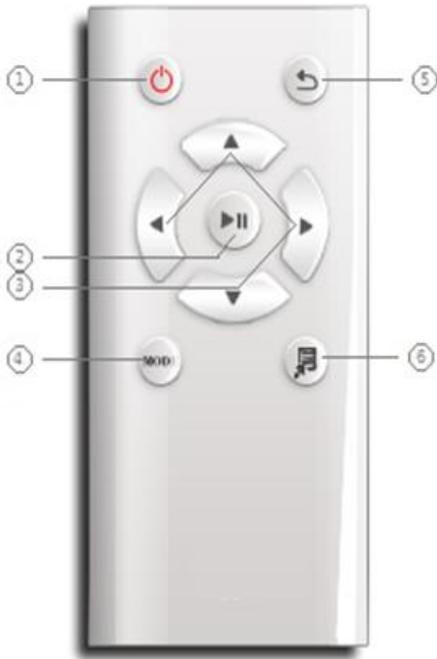
No.	Button Description
1	Power
2	OK
3	Navigation (Up, Down, Left, Right)
4	*Reserved*
5	Return
6	Menu

Wireless Network Configuration

To configure the wireless network for the Wi-Bridge device, you can follow the steps listed below:

Step 1. At first, plug in the Wi-Bridge device power adapter to the outlet and turn on the device. If the device is working, skip this step.

Step 2. When the Home Screen is displayed, press the [Menu] button on the Remote Controller to show "Application Menu".

Step 3. Select the "WiFi Setting" item and press the [OK] button on the Remote Controller to show the available wireless network list.

Step 4. Use the [Up] or [Down] button on the Remote Controller to move the selection bar.

Step 5. Select the wireless network that you want to connect and press the [OK] button. If the wireless network is protected with a password, the Password Input screen will be shown. Otherwise, please go to Step 7.

Step 6. Use navigation buttons to move the selection cursor and press the [OK] button to input the selected character. After password input is complete, use the navigation button to locate the [Enter] key and press the [OK] button to submit the password.

Step 7. The Wi-Bridge device will try to connect to the specified wireless network. If it is successful, the wireless network information will be shown on the Home Screen; otherwise, the original connection will be kept and shown on the Home Screen.

Note: Please wait with patient when you change to Lan mode or AP mode cause it need some time to scan the environment.

Device Name Modification

The Wi-Bridge Device had been set to a default name when it was manufactured. User can rename the device using the Remote Controller without other control applications.

Step 1. When the Home Screen is displayed, press the **[Menu]** button on the Remote Controller to show the "Application Menu".
Step 2. Select the "**System Setting**" item and press the **[OK]** button on the Remote Controller.
Step 3. Select the "**Rename Device**" item and press the **[OK]** button on the Remote Controller.
Step 4. Use the navigation buttons to move the selection cursor and press the **[OK]** button to input the selected character. After name input is complete, use the navigation button to locate the "Enter" key and press the **[OK]** button to submit the name.
Step 5. The Wi-Bridge device will return to Home Screen and the new name will be shown.

Note: The device name should be in the English alphabets and/or underscores. And its length must be less than 12 characters long.

Language Setting

The Wi-Bridge Device support **English, Simplified Chinese, Traditional Chinese, and Japanese** currently. You can change the system language by using the Remote Controller.
Step 1. When the Home Screen is displayed, press the [Menu] button on the Remote Controller to show the "Application Menu".
Step 2. Select the "System Setting" item and press the [OK] button on the Remote Controller.
Step 3. Select the "Language" item and press the [OK] button on the Remote Controller.
Step 4. Use the navigation buttons to move the selection bar to select the target language item and press the [OK] button to submit.
Step 5. Wait for the system to restart with the selected language.

Windows Control Application (For PC/ NB)

The Wi-Bridge requirements:

The following list describes the recommended system requirements for Wi-Bridge Windows Control Application installation. Actual system requirements will vary, depending on system configuration and on the programs that you installed.

Item	System Requirement
OS	Windows 7 32/ 64 bit (Recommended); Windows XP 32 bit with SP2/SP3
CPU	Dual Core 2.0 GHz or better (Excluding Atom processor); 2nd Generation Intel® Core™ Processors (Intel® 6 Series - Sandy Bridge platform) is recommended
Memory	1 GB RAM is recommended
HDD	50 MB, 100 MB for running the program
Monitor / TV	1080P Resolution (1920 x 1080 is recommended)
WiFi	802.11n

Run Application

You can double click the "Wi-Bridge Window Control" shortcut icon that is on the

desktop to run the application manually.

If the Windows firewall or other third party firewall applications alert that the Wi-Bridge Windows Control application requires network access, you should click the [**YES**] button to allow the application to connect to the network.

Set sharing folder

For first time users, the "Local Shared Folder Settings" window will be shown automatically.
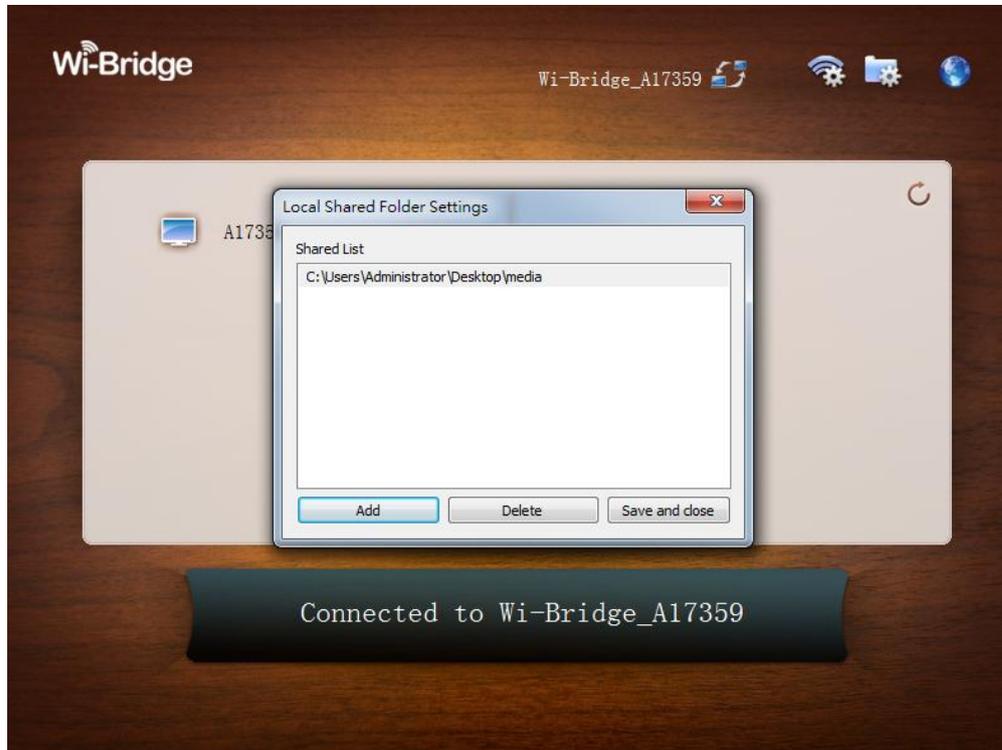
In the "Local Shared Folder Settings" window, you can add or remove the folder that contains media files you want to play remotely.

Alternatively, you can also set the sharing folder by clicking the [**sharing folder managemen**t] button (   ) while the Wi-Bridge Windows Control application is running.

Wi-Bridge Windows Control Application

Connect Devices to Wi-Bridge

The device list shows all Wi-Bridge devices that the Windows Control application found. These devices include all devices connected to the same wireless network as your Windows computer.
Note: The Wi-Bridge wireless network able to connect one device at one time

- Click the [**Network Switcher**] button ( ) to change the wireless network.
Note: If it can't work, please try to click the wifi list under your computer to link

( )

- Click the [**Refresh List**] button ( ) to refresh the device list.

You can click the device icon ( ) to connect it. The Play window will be displayed after the device is connected to the Wi-Bridge device.
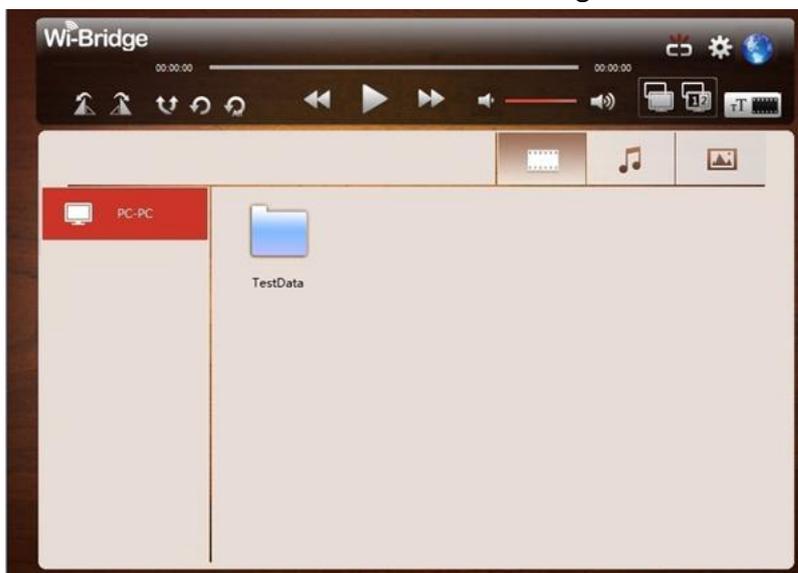
Configure the Wi-Bridge Device Wireless Network Connection

In the "Play" Window, open the "Setting" window by clicking the [**Setting**] button
( ).

Add your preferred wireless network to the "preferred network list" and switch the
Wi-Bridge device from AP mode to LAN mode.

Note1: You have to set up the Wifi hotspot before you switch to Lan mode under AP mode

Note2: Please wait with patient when you change to Lan mode or AP mode cause it need some time to scan the environment.

In the "Wireless" tab page, click the [Add] button to show the wireless network list.
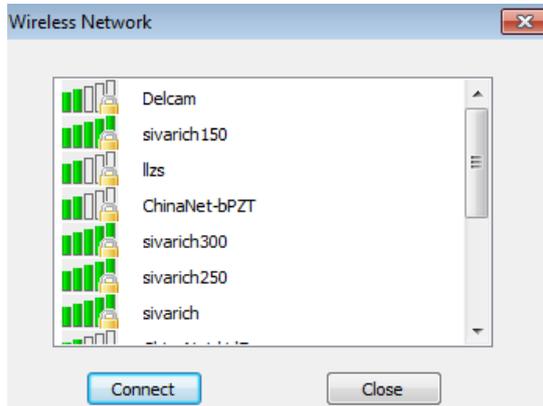
Select your preferred network and click the [**Connect**] button.

If the network is connected successfully, the Wi-Bridge Windows Control application
will disconnect from the device automatically and the Wi-Bridge device will connect
to the preferred network automatically.

Play Media Files on the Wi-Bridge Device

In the "Play" Window, you can play a media item on the Wi-Bridge device by double clicking it.
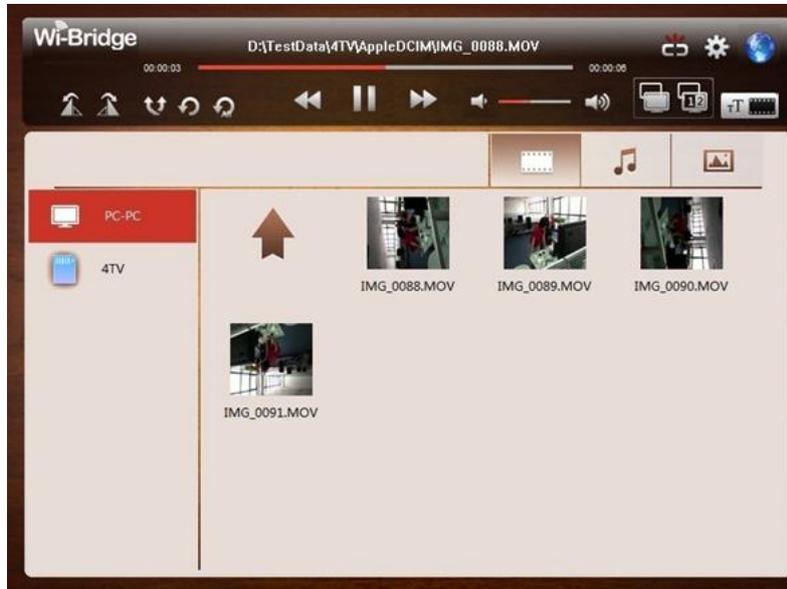
- Click the playback control buttons ( ) to control the media item playback.

- Click the loop mode buttons ( ) to switch the loop mode.

- Click the rotate buttons ( ) to rotate the photo.

- Switch media storage by clicking the item listed in the media server list.
  If the USB storage device is inserted into the Wi-Bridge device, these devices will be listed in the list too.

  Media Servers that meet the DLNA standard could also be found in this list. You can access the content provided by these servers.

- Click the category tab buttons ( ) to change the media category (Movie/Music/Photo).

Mirror Content on the Wi-Bridge Device

In the "Play" window, you can click the [**Mirror**] button ( ) to show all the contents in your Windows computer on the Wi-Bridge device.

There are 2 mirror types: Main Type and Extend Type. If Main Type is selected, the main screen content will be outputted to the Wi-Bridge device; if Extend Type is selected, an extend screen will be enabled on the Windows PC and its content will be outputted to the Wi-Bridge device.

Click the [**Main Type**] mirror button ( ) to enter the Mirror function and enable the Main Type. Click this button again to exit the Mirror function.

Click the [**Extend Type**] mirror button ( ) to enter the Mirror function and enable the Extend Type. Click this button again to exit the Mirror function.

● Click on the [**Text Mode**] button ( ) to get better performance.

● Click on the [**Video mode**] button ( ) to get better video content playback.

Disconnect from the Wi-Bridge device

In the "Play" window, you can disconnect the Wi-Bridge device by clicking the [**Disconnect**] button ( ).

Information & Upgrade

You can click the [**Help**] button ( ) to visit the ECS website for more details include SEPC, feature introduce, driver download for upgrade etc.
http://www.ecs.com.tw

Android Control Application - 4TV (For Android OS)

Wi-Bridge Android Control Application runs on Android 2.2 or above systems. To get better performance, the device with 1GHz CPU is recommended.

Network Connection Guide

Please download and install the AP- "4TV" in Android market first.
You can use the Barcode Scanner below for downloading.

Or go for the link of Android market to download.
https://market.android.com/

When the application starts, the "Network Connection Guide" will be shown first. It will guide you on how to check the connected wireless network and how to connect to a specific wireless network.
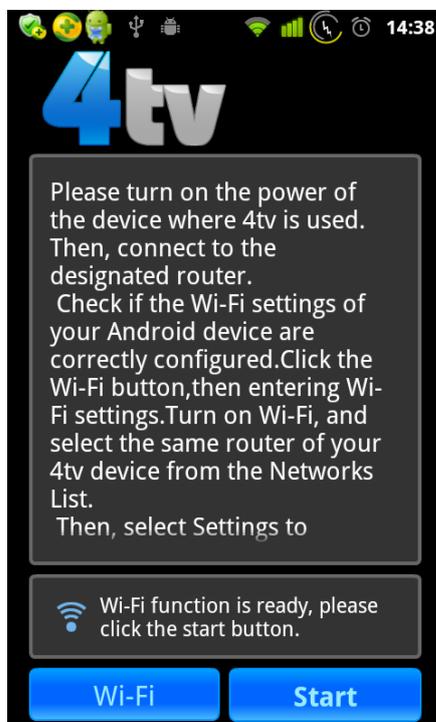
If the WiFi is connected, you can tap on the [**Start**] button to continue; otherwise, please follow the guide to set the WiFi function.

Connect to the 4TV Device

You can find all the 4TV devices that connect to the same wireless network as the Android phone.

- Tap on the [**Refresh 4TV device list**] button ( ) to refresh the device list.

- Tap on the 4TV device list item to connect to the specific device.

- Tap on the [**FAQ**] item to get help information.

- Tap on the [**Home**] button ( ) to return to the guide screen.

Wi-Bridge Android Control Application

Play Media File on the 4TV Device

Once the Wi-Bridge device is successfully connected, the 4TV control screen will be shown. You can play the media file on the Wi-Bridge device or mirror screen content on Wi-Bridge device.

On the "Control" screen, if the USB storage device and SD card have been connected to the Wi-Bridge device, they will appear in the media server list.
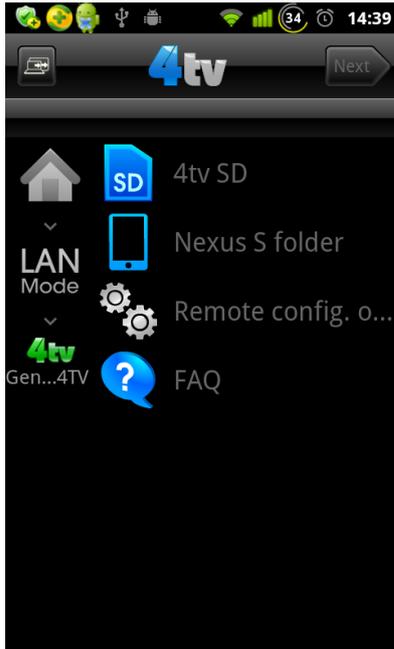
You can select the media server by tapping on the corresponding item. All media files under the root directory of the media server will be listed.
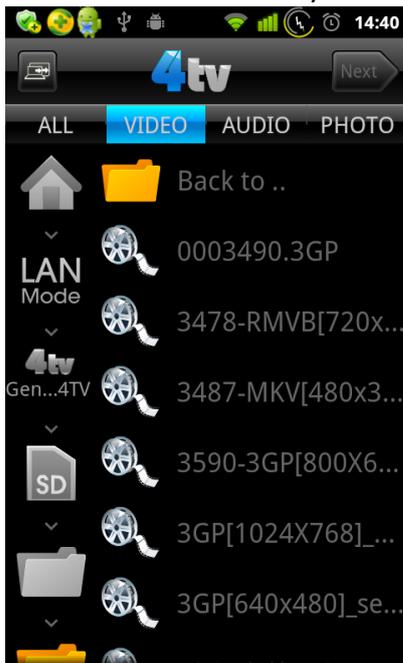
- Tap on the category buttons which are on the top of the list.

  ALL **VIDEO** AUDIO PHOTO

- Tap on the device to return to the Wi-Bridge Control Screen.

  4tv
  Cai

When you tap on a video or music item, the play screen below will be shown.

- Tap on the playback buttons to control the media item.
- Tap on the [**Back**] button (Back) or [**Back**] key on the Android Phone to return to the File List screen.

4TV Remote Configuration

On the 4TV Control screen, you can tap on the "**4TV Remote Configuration**" item to open the Remote Setting window.
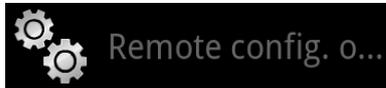
In the Remote Setting window, you can get the Wi-Bridge system information, configure 4TV wireless network and change the TV mode.

Disconnect from the Wi-Bridge device

On the 4TV Control screen or File List screen, tap on the [**LAN**] button ( ) to disconnect from the Wi-Bridge device.

iOS Control Application - 4TV (For iOS)

Wi-Bridge iOS Control Application runs on iOS 4.2 or above systems. To get better performance, iPhone 3GS/ 4/ 4S, iPod Touch 4G, iPad 1st/2nd are recommended.

Please download and install the AP- "4TV" in APP Store first.
http://store.apple.com/

DMS Selection

When the application starts, the "DMS Selection" will be shown first.

- If a media clip is playing, you can tap on [**Playing**] button ( ) to enter playback screen.
- You can select media content source from the media server list by tapping the combo box ( ).
  When the media server list is displayed, you can tap on any other area to close it.
- Tap on [**Setting**] button ( ) to show setting menu.
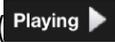
Play Local Media Content

The following steps show how to play the media clips which are in local device.

Step 1. Select "Local Device" from media source list.
Step 2. The iOS Control application can list the "Camera Roll" and "Photo Library" libraries. Select the library you want to access.

- ● Tap on [**Cancel**] button (Cancel) to back to previous screen.

Step 3. To playback a photo, you can just tap the file to go the next step. If you want to play a video, you must compress it before go the next step.
When a video clip is selected, the preview screen will be shown. Then you can preview it and compress it.

- ● Tap on [**Choose**] button (Choose) to compress current clip and go next step.
- ● Tap on [**Play**] button (▶) to preview current clip.
- ● Tap on [**Cancel**] button (Cancel) to back to previous screen.

Step 4. After a clip is select, the media player list will be displayed automatically. You should select a player to play the item.

Step 5. After the media player selected, the "Playback" screen will be shown.
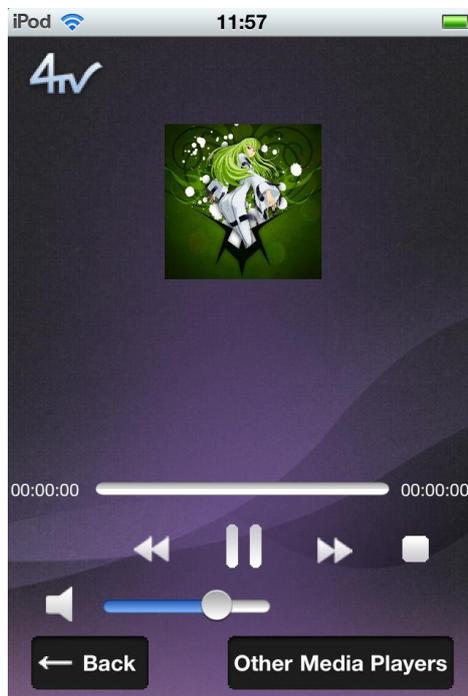
- Tap on [**Other Media Players**] button (Other Media Players) to select another player to play current clip.
- Tap on [**Back**] button (← Back) to back to previous screen.

Play Media Content from Remote Server

The following steps show how to play the media clips which are on remote server.

Step 1. Select a DLNA DMS server, the shared library will be listed.

- Tap on list item to enter next level.
- Tap on [**Back**] button (← Back) to back to previous screen.
- Tap on [**Playing**] button (Playing ▶) to enter playback screen.
- Tap on [**Setting**] button (⚙) to show setting menu.

Step 2. Browse the shared media library.
You can select a folder to play form the list or just play a single file.

- Tap button on navigation row to go to the corresponding level directly.
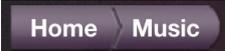
- Tap [Play] button ( ) to play the selected item directly. If the selected item is a folder, all items included in the folder will be played continuously.
- Tap [Back] button ( ) to back to previous screen.

Step 3. After a clip is select, the media player list will be displayed automatically. You should select a player to play the item.
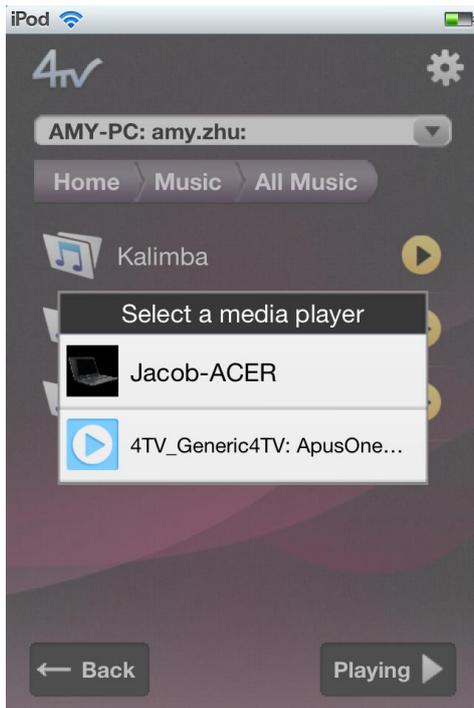
Step 4.   After the media player selected, the "Playback" screen will be shown.
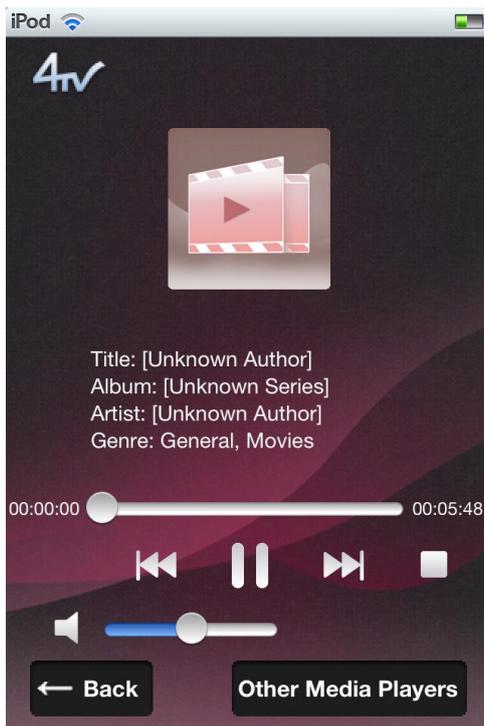
- Tap on [**Other Media Players**] button (Other Media Players) to select another player to play current clip.
- Tap on [**Back**] button (← Back) to back to previous screen.

Frequently Asked Questions

- **Why can't my Wi-Bridge device be connected to the wireless network automatically?**
  For first time users, the Wi-Bridge device works in AP mode by default. You need to configure the wireless network setting for it. Please refer to the "Quick Start: Wi-Bridge Windows Control"

- **Why can't I find my Wi-Bridge device on the Windows Control application?**
  Please make sure your Windows computer and the Wi-Bridge device have been connected to the same wireless network. Otherwise, the Wi-Bridge Windows Control application cannot find the device.

- **Why can't I play my media file on the Wi-Bridge device using the Wi-Bridge Windows Control application?**
  If you did not authorize the Wi-Bridge Windows Control application to connect to the network, the Windows firewall or other third party firewall applications will block the communication between the application and the Wi-Bridge device.

  When you used it the first time, there should have been an alert that the Wi-Bridge Windows Control application is requiring access to the network. If you did not authorize before, you need to run the firewall application and add exception settings for the Wi-Bridge Windows Control application.

- **Why is it so hard for my Wi-Bridge device to connect with the Windows Control application?**
  When the Wi-Bridge device works in LAN mode, the connection would be vulnerable to any interference in WiFi signal. Please check the WiFi signal strength of the wireless network which is being used currently. If the signal is too weak, please change to another wireless network.

- **Why is video playback not fluent?**
  The communication quality depends on the status of the wireless network. If the network is heavily overloaded, the playback operation will suffer interference.
  Please reduce the network overload and play again.

- **Why does the Mirror function not work on my Android device?**
  If you want to use the Mirror function on your Android device, the device must be rooted—the root privilege can be granted to non-system applications. Please check your device and make sure that the device had been rooted.

  Please visit ECS website for more detail – http://www.ecs.com.tw