# **AWD Test Environment Setup Guide**

### **Hardware Requirement**

- TV or monitor with HDMI interface
  - Laptop:
    CPU: intel CPU at least Core 2 duo 1.8g or AMD CPU
    Ram: at least 2g
    Wireless card: Realtek 8192DU USB dongle
    OS: Win7 64 bit

# Software package(Files included in the zip file AWD\_WIN7\_TEST.zip)

- Folder "Driver\_Installation" driver of Realtek 8192DU
- AWD.msi AWD installation file (version: 2.0.18)
- install.img firmware image of Rx (version: 0.5.7)
- vcredist\_x64.exe Microsoft Visual C++ 2010 Redistributable x64
- vcredist\_x86.exe Microsoft Visual C++ 2010 Redistributable x86

## Test environment setup procedure

- Connect Rx
- 1 Upgrade Rx to 0.5.7
  - 1.1 Prepare a USB stick , copy install.img into root and stick into Rx's USB port
  - 1.2 Connect Rx to a TV or Monitor via HDMI interface
  - 1.3 Hold reset button and then power on, check the Screen to be like this, then release reset button



1.4 Wait until upgrade process finish(DO NOT POWER OFF WHILE UPGRADING)



1.5 Rx will reboot automatically, wait until Ready to Connect screen. Check version on left-bottom corner, should be **0.5.7** 



### • Connect AWD

- 1 Change Audio Setting
  - 1.1 Right Click the speaker icon in the right-left corner, then choose Playback devices



1.2 In Playback tab, find Speakers and Headphone, then click Properties



1.3 Switch to Advanced tab, from the dropdown list change the default format to 16 bit,44100Hz(CD Quality)

Speakers and Headphones Properties
General Levels Dolby Enhancements Advanced
Default Format
Select the sample rate and bit depth to be used when running in shared mode.
16 bit, 44100 Hz (CD Quality)
16 bit, 44100 Hz (CD Quality)        16 bit, 48000 Hz (DVD Quality)        16 bit, 88200 Hz (Studio Quality)        16 bit, 96000 Hz (Studio Quality)        16 bit, 192000 Hz (Studio Quality)        16 bit, 44100 Hz (Studio Quality)        24 bit, 44100 Hz (Studio Quality)        24 bit, 48000 Hz (Studio Quality)
24 bit, 96000 Hz (Studio Quality) 24 bit, 192000 Hz (Studio Quality)
Restore Defaults
OK Cancel Apply

#### 2 Install Microsoft Visual C++ 2010 Redistributable

2.1 Install Microsoft Visual C++ 2010 Redistributable x86 and x64 version

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#### 2.2 After finish, go to programs and features, check if it is installed correctly.

Programs Programs and Features			▼ * → 30	earch Programs c	and F
Uninstall or change a program To uninstall a program, select it from the list and then click t	Jninstall, Change, or Repair.				
Organize 🔻					
Name	Publisher	Installed On	Size	Version	
ኛ Dell Driver Download Manager	Dell Inc	8/31/2012		3.0.0.0	
💪 Java 7 Update 7	Oracle	8/31/2012	128 MB	7.0.70	
Microsoft Visual C++ 2010 x64 Redistributable - 10.0.30319	Microsoft Corporation	8/31/2012	13.6 MB	10.0.30319	
Microsoft Visual C++ 2010 x86 Redistributable - 10.0.30319	Microsoft Corporation	8/31/2012	11.0 MB	10.0.30319	
AVIDIA Drivers	NVIDIA Corporation	8/31/2012		1.3	
NVIDIA PhysX	NVIDIA Corporation	8/31/2012	119 MB	9.09.0010	
🛣 SigmaTel Audio	SigmaTel	8/31/2012		5.10.5210.0	

#### 3 Install Wireless USB dongle driver

3.1 Double click on Setup, then follow the instructions

Organize - 🔄 Open	Share with - Burn New fold	der	
* Favorites	Name	Date modified	Туре
Desktop	A DATA	8/29/2012 1:37 PM	File fold
Downloads	DHCP	8/29/2012 1:37 PM	File fold
I Recent Places	Driver	8/29/2012 1:37 PM	File fold
	EAP	8/29/2012 1:37 PM	File fold
Libraries	🗼 B-fV	8/29/2012 1:57 PM	File fold
Documents	2 ProtoDev	8/29/2012 1:37 PM	File fold
Music	🗼 WFD	8/29/2012 1:37 PM	File fold
Pictures	WiFi_Sigma	8/29/2012 1:37 PM	File fol
Videos	2 IsConfig	5/31/2012 4:41 PM	Config
Constanting 1	a BLangUni	3/20/2012 9:46 PM	Config
M Computer	Setup	5/31/2012 4:10 PM	Applica
Local Disk (C:) RECOVERY (D:) BD-ROM Drive (E) B Removable Disk (F:)	2 temp	3/20/2012 9-47 PM	lcon
Wetwork			

3.2 During the process, this window may appear several times, choose **Install this driver software anyway** 



3.3 After reboot, plug-in the wireless USB dongle, and wait till it is ready to use. To check if it is installed correctly, go to Device manager, there should be a device Realtek RTL8192DU Wireless LAN 802.11n USB 2.0 Network Adapter in Network adapters, double click to open properties, check the Driver tab, the version should be 7015.12.817.2012



- 4 Install AWD
  - 4.1 Install AWD, after finished, click on the icon, AWD Main window and Information window will appear(mark the checkbox in information window, then close it). Check version to be **2.0.18**

AMD Wireless Display, you should call it AWD Send your laptop screen to your HDTV Watch movies, video and audio, from your laptop to your TV Simple plug and play setup  Learn More	Currently connected to No Display Connected Wireless Displays Available	
Learn More		
Need help with your setup?      Get your AWD Receiver now!        Having trouble setting up your AMD Wireless Display? Click the button below to receive support infomation for AWD.      Get ready to enjoy viewing your laptop display on your TV screen. Click the button below to purchase an AWD Receiver now.      Currently connected No Display Connect Wireless Display?        Get Help      Buy Now	AMD Wireless Display	
Do not show this window again  Connec  Add Dex  More Infe		

### 5 Connect AWD

5.1 PIN method (First time)

5.1.1 Click Add Device button

VISION	AMD Wireless Display	X
Currently con	nected to	
No Display C	Connected	
Wireless Disp	olays Available	
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	Connect	
A	Add Device	
M	ore Info>>	

### 5.1.2 Pair window will appear, scan and list Rx. Click on Rx name and then click Connect

🔒 acrtp2	рW			- • ×
Index 1	Name DIRECT-MWTV-BFFFEE	]		
	(	Scan	Connect	Cancel

5.1.3 **PIN number** will shown on TV and a input window will shown on laptop, input the PIN number and then click **OK** 



### 5.1.4 Wait for the connection process



5.1.5 After finish, laptop screen will be displayed on TV



5.2 Persistent method

Same as PIN method except entering PIN. There is no need to enter PIN

- 6 Play a video clip repeatedly
- 7 Disconnect AWD
  - 7.1 Click on AWD icon, AWD main window will appear. Click **Disconnect** button. Click **OK** when prompted



7.2 AWD and Rx will return to the status, ready for next connection.

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AMDA	Display	V
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No Display (	Connected	
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# FCC Statement:

### **Federal Communication Commission Interference Statement**

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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 and on, the user is encouraged to try to correct the interference by one 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

This device is going to be operated in 5.15~5.25GHz frequency range, it is restricted in indoor environment only.

## **IMPORTANT NOTE:**

Federal Communication Commission (FCC) Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and

procedures specified in OET Bulletin 65 Supplement C. This equipment should be installed and operated with minimum distance 0.5 cm between the radiator & your body.