WinTV-DCR-2650

A CableCARD receiver for Windows Media Center

Quick Installation Guide

Included with WinTV-DCR-2650:

- **WinTV-DCR-2650 Digital CableCARD receiver** dual tuner, USB connected
- **USB cable** 1 meter
- **Wall mounted power adapter** 5v @ 2a
- **WinTV-DCR-2650 installation CD**, with drivers for Windows 7

What is the WinTV-DCR-2650?

WinTV-DCR-2650 is a cable TV box which, unlike a cable TV box you might get from your cable TV company and which connects to a TV set, uses Windows Media Center to watch and record your favorite TV programs. WinTV-DCR-2650 has two cable TV tuners built-in, so with Windows Media Center you can record two programs at the same time, or you can watch one program while recording another.

Like a normal cable box, the WinTV-DCR-2650 allows you to watch and record all of the cable TV programs you subscribe to. This includes premium channels such as HBO and ESPN. The only cable TV programs you cannot watch with the WinTV-DCR-2650 are Pay-per-View and Video on Demand programs.

Unlike a cable TV box, you buy WinTV-DCR-2650 instead of renting it from your local cable TV company.

To operate, WinTV-DCR-2650 requires two things:

- WinTV-DCR-2650 needs to be connected to a Windows 7 PC in order to operate. At this time, WinTV-DCR-2650 will only work with Windows 7 and will only work with Windows Media Center which is included in Windows 7.

- The WinTV-DCR-2650 requires a "cable card" to operate. All cable TV operators in the U.S. have cable cards you can rent for a price of around $5 per month. Most cable TV operators can either mail you a cable card, or you can pick one up from your cable operators customer service center.

WinTV-DCR-2650 can be installed by you. It does not require a technician to install or activate.

System indicator from your PC / Cable TV indicator / Tuner 1 in use / Tuner 2 in use

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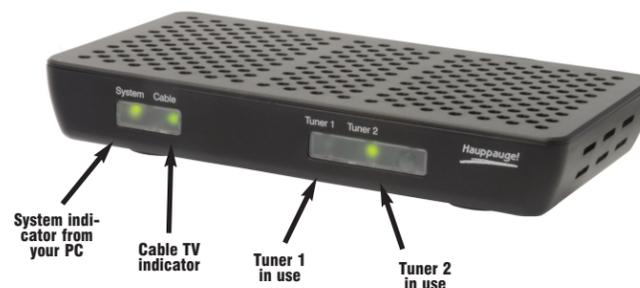
Installation instructions for the WinTV-DCR-2650

Installation overview (see below for details on each step)

Step 1.   Run the Windows Digital Cable Advisor to make sure your PC is compatible with the WinTV-DCR-2650.

Step 2.   Plug the WinTV-DCR-2650 into your PC via the USB cable.
Plug in the power to WinTV-DCR-2650.
Install the Windows driver from the WinTV-DCR-2650 Installation CD-ROM.
Install your cable TV tuning adapter (if necessary) you received from your cable operator on your PC.
Connect cable TV to the WinTV-DCR-2650.
Insert the CableCARD you received from your cable operator into the back of WinTV-DCR-2650.

Step 3.   Run the Windows Media Center TV Tuner setup and select your cable TV operator.

Step 4.   Call your cable TV company to activate your cable card and "pair" it to the WinTV-DCR-2650

Installation notes

- You cannot install the WinTV-DCR-2650 unless you have first run the Windows Digital Cable Advisor

Step 1. Run the Windows Digital Cable Advisor

To run **Digital Cable Advisor,** follow these steps:

1a.   Start **Windows Media Center**

Note: It is recommended to run the Digital Cable Advisor in a reduced size window (not Maximized) in order to view all system prompts more easily. If this is your first time running Windows Media Center, you will be requested to complete a quick Media Center setup process at this point. If asked, do not setup the TV tuners until the Digital Cable Advisor has been completed.

1b.   Navigate to **Extras / Extras Gallery**

If you do not see the Extras Gallery, it can be downloaded manually from the following Internet links:

x86 - 32 bit Windows 7:
http://go.microsoft.com/fwlink/?LinkId=195559

x64 - 64 bit Windows 7:
http://go.microsoft.com/fwlink/?LinkId=195560

If you are downloading the **Extras Gallery**, and you don't see the Extras Gallery icon, it is probably still downloading. Wait a few minutes and check back.

Click on **extras gallery**.

You should see a picture of a coax cable as part of the **extras gallery**.

Click the picture of the **COAX cable** to run the Digital Cable Advisor.

Note: if you get an error message Unable to launch, then wait about 15 minutes and try again. This normally means that Windows Media Center is still loading the Digital Cable Advisor.

Once the Digital Cable Advisor starts, you will see the **Welcome** message:

- Click **Install** to download the Digital Cable Advisor and **Confirm** you want to download the file.
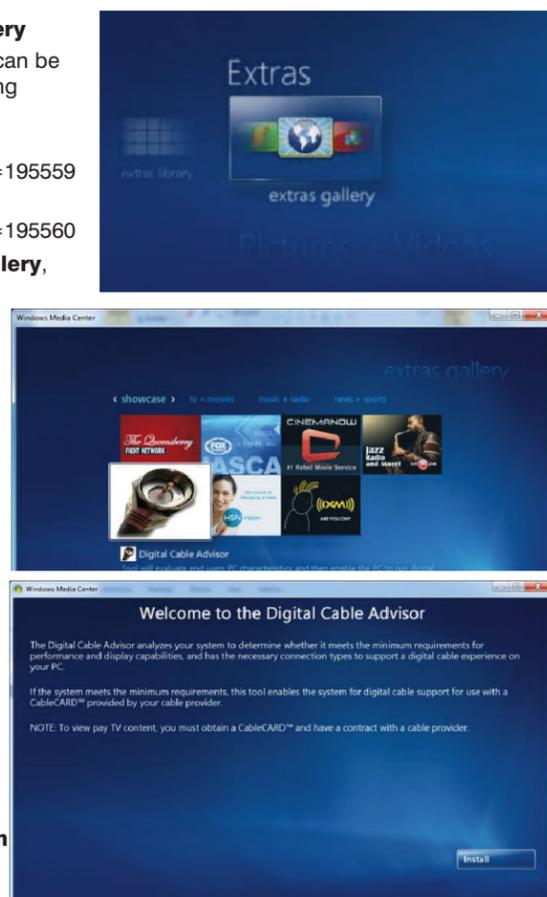
- Read the End User License Agreement and choose to **Accept**

- If you accepted the End User License Agreement, the Digital Cable Advisor will install, which can take a couple of minutes.

- Click **Next** on the Welcome to the Digital Cable Advisor screen.

- Select **I Agree** and click **Next** on the Digital Cable Advisor Terms of Service screen.

- Click **Start Test** on the Welcome to the Digital Cable Advisor / Analyze System screen. The Digital Cable Advisor will begin testing your system which can take several minutes to complete. Your screen may flash several times as a normal part of the test.

- Click **Next** on the Welcome to the **Digital Cable Advisor / Analyze System** screen once it says **System analysis complete**.

Step 2.   Install the WinTV-DCR-2650 and plug into your PC

Plug in your cable TV wire to **Cable In** and *insert the CableCARD* you received from your cable

Cable TV plugs in here / USB cable to your PC / Power supply / Cable card plugs in here

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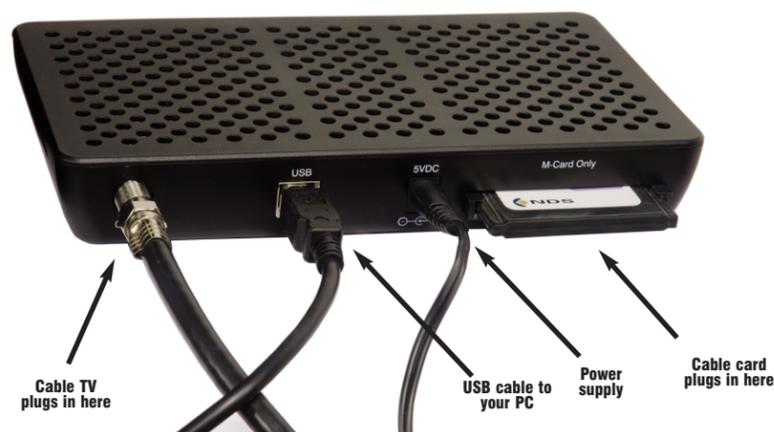
operator into the connector marked M-Card only on the back of WinTV-DCR-2650.

Note: the label on the cable card should face up. If you plug the cable card in upside down, the green Cable light on the front of WinTV-DCR-2650 will not light.

Then plug the USB cable into the back of WinTV-DCR-2650 and plug the other end into an open USB port on your PC.

Next, plug the power supply into WinTV-DCR-2650.

Windows 7 should recognize that a new hardware device has been connected.

Insert the "**WinTV-DCR-2650 Installation CD**" into your CD drive and install the Windows driver.

Click **Step 1**. Chose your language and click **Next**. Once the Windows driver has been installed, you will see a message **Drivers have been updated Sucessfully**.

After the Windows driver has been installed, click **Step 2**. Click **Next** to update firmware. You will receive a confirmation that the firmware has been updated or it is already up to date.

You will see a message **Are you using a tuning adapter?**. If you cable TV operator requires you to use a tuning adapter to see all of your cable channels, click **Yes**, then **Next** and **Finish** to install the tuning adapter support.

Once the Windows driver is loaded and the WinTV-DCR-2650 firmware has been

Step 1: Install Drivers
Step 2: Install Software
Register your WinTV
Browse CD
Exit

Hauppauge WinTV-DCR-2650 Firmware Upgrade 20110907beta2
Please ensure your WinTV-DCR-2650 is connected to the USB port. If not connected, please connect it now. To begin upgrading your firmware please click Next >
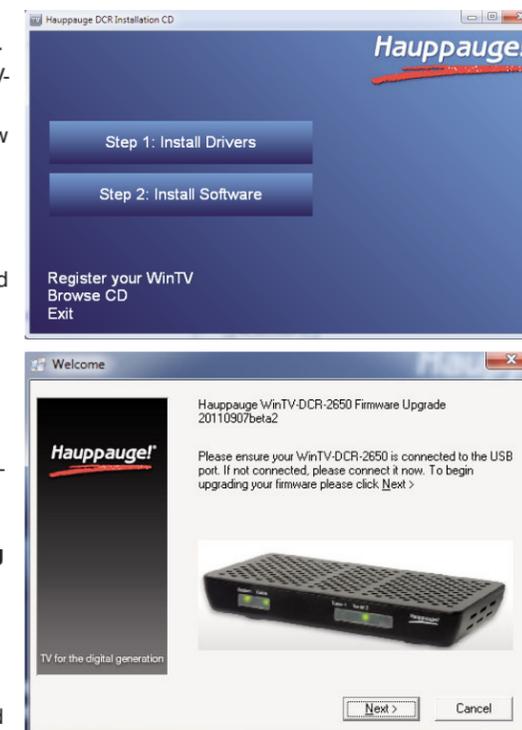
updated, the **System** and **Cable TV indicator** lights on the front of WinTV-DCR-2650 should turn green.

*N**ote: If you plug the cable card in upside down, the green* <u>Cable</u> *light on the front of WinTV-DCR-2650 will not light.*
Make sure the cable card is the correct side up!!

Step 3. Setup Windows Media Center for Cable TV

Go to **Tasks** / **Settings** / **TV** / **TV Signal** / **Set Up TV Signal.**

Run through the Windows Media Center **TV signal set-up process**, which will take several minutes.

- **Select your Region:** e.g. United States.
- **Enter your zip code**.
- Click "**I agree**" with Program Guide Terms & Conditions.
- Read the PlayReady PC Runtime End User License Agreement and choose to **Accept** or Decline.
- If you accepted the End User License Agreement, PlayReady will be installed.
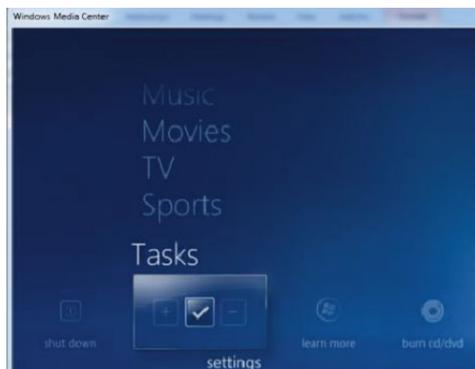
*N**ote: Be sure your system's date and time are set correctly. An error will occur when installing PlayReady, which will prevent cable TV from being viewed, if the date and approximate time in the PC are not correct.*

- Media Center will now Download TV Setup Data and detect the TV signal. **This can take up to 30 minutes!**
  If successful, your TV Signal Detection Result page should read:
   Digital Cable (CableCARD™) (2 tuners)

- Select **Yes, configure TV with these results**.
- During the configuration process, Media Center will ask for a product key, which will be pre-filled on the screen. This is a different product key than your Windows 7 product key and is automatically generated by running the Digital Cable Advisor in step above. Just click **Next** when the product key configuration is complete.

Step 4. Call your cable TV company to activate your cable card

Now that you have finished your Windows Media Center setup, to watch and record premium channels, you need to notify your local cable operator that you have installed the cable card on a particular set top box. To do this, you will need to call them on the phone and provide the following pieces of information: the CableCARD ID and the Host ID.

Windows Media Center is pretty smart and will tell you the telephone number to call to activate your cable card. In Windows Media Center, go to **Tasks** / **Settings** / **TV** / **TV**

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signal / **Activate Digital Cable**. You will see the following screen:

Click **Yes** / **Enter** / **Enter** and you will see the screen with the CableCARD ID and the Host ID.

Call your cable TV company and tell them you want to activate a CableCARD. They will ask you for this information. Once you have activated your cable card, you are now all set to start watching and recording all of your cable TV programs on your Windows Media Center PC.

Enjoy!

Troubleshooting information

Indicators on the front of WinTV-DCR-2650:

System: red light means USB cable is not plugged in, or the Windows driver did not load. Green light means Windows was able to load the WinTV-DCR driver correcty

Cable: No light means the cable card is not plugged in, or was plugged in upside down. Flashing green means the WinTV-DCR is trying to find your cable signal.

Tuner 1: green light means the tuner is being used

Tuner 2: green light means the tuner is being used

If you disconnect the monitor and you get shortened recordings:

Sometimes you will disconnect your PC monitor to use it on another PC. Short recordings (1 to 4 minutes) might mean that Windows Media Center did not find a PC monitor which could support encrypted recordings. To fix this problem, leave your monitor connected to your PC while recording.

Cable light does not come on in the front of WinTV-DCR-2650

Check to make sure your CableCard is plugged in right side up. If you plug the CableCard in upside down, the green Cable light will not come on.

Stuttering video on some TV channels such as HBO

The graphics modes on some VGA cards will cause stuttering on some premium channels. To fix this problem with ATI graphics cards (as an example), go to the VGA settings menu and turn off Dynamic Contrast.

<u>Continue without cable card</u> message

This means your cable card is not plugged in or is plugged in upside down. Remove the cable card, check to make sure it is facing in the correct direction, and plug in again.

<u>Subscription required</u> message

If you don't activate your cable card, you still might be able to watch some of your TV programs. But periodically you will get a **Subscription required** error message. When this message pops up. any recordings in progress will terminate.