

Addendum: Adding and Removing HDMI CEC Devices

Many new HDMI devices have a feature called CEC (Consumer Electronics Control) or HDMI Control. Mitsubishi calls this feature **NetCommand HDMI Control** or **NetCommand for HDMI**. HDMI CEC allows one device, such as the TV, to control other devices, such as an A/V receiver or disc player. Most devices with HDMI CEC compatibility let you turn this feature on or off in the device's setup menus, where it is typically listed as "HDMI Control."

Each manufacturer chooses which CEC functions to support so it is difficult to predict which devices and features are compatible with Mitsubishi's NetCommand HDMI Control. You may find that CEC functions for a specific device are limited.

Be sure to connect and set up HDMI devices one at a time. As outlined in the following steps, first turn on the device and allow the power-on sequence (boot up) to complete. Stop any playback, and then connect the HDMI cable.

Connecting HDMI Devices to the TV

1. Turn on the device and allow it to complete the power-on sequence (boot up).
2. Connect the device to one of the TV's HDMI inputs. When the TV detects the connection, the *Auto Input Sensing* screen will appear and provide additional instructions. You will see one of these three screens, depending on your equipment.

- If the TV's NetCommand HDMI Control is turned off, you will see the *Auto Input Sensing* screen in **Figure 1**. The screen gives instructions on how to turn on NetCommand HDMI Control.

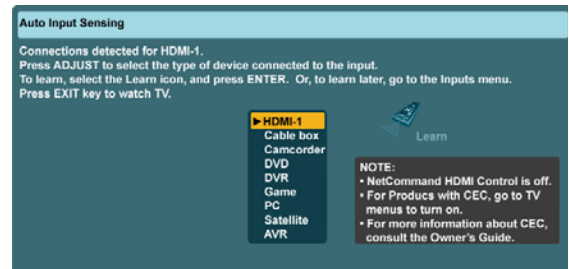


Figure 1 NetCommand HDMI Control is off.

- You will see the *Auto Input Sensing* screen in **Figure 2** if one of the following apply:
 - NetCommand HDMI Control is turned on, but turned off in the menu of the new device
 - The device does not have CEC compatibility. This screen has a reminder to turn on the device to insure proper setup.
 - The device has not yet been detected (e.g., no power).

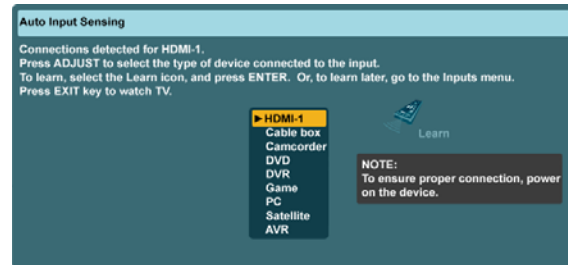


Figure 2 NetCommand HDMI Control on and either the connected device's HDMI Control is off or the device is not CEC compatible

- If NetCommand HDMI Control is turned on and CEC is turned on in the device, you will see the *Auto Input Sensing* screen in **Figure 3**. This screen confirms the device is CEC compatible and shows the name provided by CEC.

Note: The screen shown in Figure 2 may display first before Figure 3 appears.

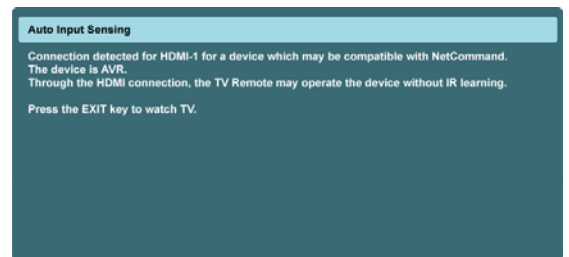


Figure 3 NetCommand is on and the connected device's HDMI Control is on.

3. Use of CEC is optional. In the following steps you can choose either to use CEC or to turn it off.

- If you see the screen in **Figure 1** and wish to use CEC:
 - a. Press MENU to display the TV *Main Menu*.
 - b. Select the *Inputs Menu* using the ▼▲ keys.
 - c. Press the ► key and then the ▼ key to select **NetCommand HDMI Control**.
 - d. Set **NetCommand HDMI Control** to **On** using the ▲▼ keys (**Figure 4**).
 - e. Turn on the HDMI CEC device and switch the TV to the device (press the INPUT key and highlight the device). Within a few minutes CEC will be established. You may see the screen shown in Figure 3. If the screen does not display, ensure HDMI is turned on in the device's menus.

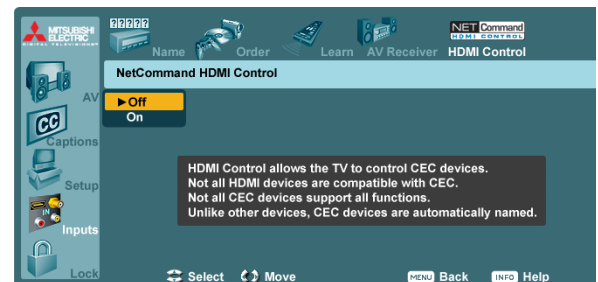


Figure 4 TV Input Menu – NetCommand HDMI Control Screen

- If you see the screen in **Figure 2** and wish to use CEC, turn on HDMI Control in the device's setup menu. Within a few minutes you may see the screen in **Figure 3**. If there is no HDMI Control listed in the device's menus, the device may not be compatible with CEC and you will need to control it with its own remote control or use NetCommand IR control, if offered on your TV model.

4. When you see the screen in **Figure 3**:

- If using CEC, CEC will automatically name the device and any name you previously selected in Figure 1 or Figure 2 will be changed to the new name.
- If you DO NOT wish to use CEC, set **NetCommand HDMI Control** to **Off** in the TV *Inputs Menu* (**Figure 4**) to completely disable the TV's CEC feature. To turn off the TV's CEC for individual devices, use the TV's *Inputs > Name Menu* (**Figure 6**).

Note: You may not see the screen in Figure 3 if the HDMI device has previously been detected by the TV. To check if CEC is enabled for the device, see the *Inputs > Name Menu*. If you are unable to change the device name, it indicates CEC is enabled.

Connecting an HDMI A/V Receiver to the TV.

First connect the A/V receiver to the TV before connecting any other device to the A/V receiver. If you want to be able to switch between the A/V receiver speakers and the TV speakers, also connect the TV's Digital Audio Output to an input on the A/V receiver.

1. Turn on the TV and A/V receiver and allow both to complete the power-on sequence (boot up).
2. Connect the HDMI output of the A/V receiver to the TV's HDMI input. The TV will automatically switch to that input.
3. If the A/V receiver is HDMI CEC compatible, turn on HDMI Control in both the TV (see the instructions for Figure 4) and A/V receiver (see A/V receiver menus). If the A/V receiver menu does not show HDMI Control, the A/V receiver may not be compatible with CEC.
4. **Plug in the AC power cord and power on the first HDMI device**, such as a disc player, cable box or satellite receiver, and allow the device to complete the power-on sequence (boot up). Stop playback if the device starts playing.
5. Connect the device to the A/V receiver with an HDMI cable.
6. Manually select that HDMI input on A/V receiver's front panel controls or remote control. If the new device has the HDMI CEC Control feature turned on, the TV will show a display similar to Figure 3 and automatically name the device. If the new device has the HDMI CEC Control feature turned off or if it is not CEC compatible, there will be no display. *Check the new device's menu for the HDMI Control feature and turn it on. If there is no HDMI Control feature listed, this device may not be compatible with HDMI CEC and you will need to control the device manually.*
7. After the device in step 5 has been connected and the setup completed; select the next HDMI device to be added to the A/V receiver. Then repeat steps 3–6 for the device.
8. If your TV has NetCommand with IR Learning (DLP 736 and 836 series or LCD 148, 149 or 246 series), you can use the NetCommand Learn screens to supplement CEC functions or add control to non-CEC devices.

Resolving CEC Conflicts, Changing HDMI Connections, Removing HDMI Devices

Since each manufacturer selects which CEC functions to support, some devices can conflict with other devices. If control conflicts arise, you can turn off HDMI Control in one or more of the other devices' HDMI setup menus. You can also try to reset the TV's control for an individual unit or turn off the TV's control of any individual device in the TV *Input Menu*.

To Turn Off NetCommand HDMI Control for an Individual Device

1. Press MENU on the TV remote control to enter the TV *Main Menu*.
2. Select the *Inputs Menu* using the ▼▲ keys.
3. Select the *Inputs > Name Menu* using the ► key.
4. Highlight the device to remove from the system using the ▼ key and then the ► key.
5. With the device highlighted, select **Control Off** to turn off the TV's ability to control the device.
6. Press EXIT to clear the menus.



Figure 5 Input Name Menu HDMI Control for AVR Tuner turned off



Figure 6 Inputs Name Menu with AVR DVD deleted.

To Reset HDMI Control or to Remove an HDMI Device

1. Power off the device.
2. If removing the device, disconnect the HDMI cable.
3. Press MENU on the TV remote control to enter the TV *Main Menu*.
4. Select the *Inputs Menu* using the ▼▲ buttons.
5. Select the *Input Name Menu* using the ► button.
6. Highlight the device to reset using the ▼ button and then the ► button.
7. With the device highlighted, select **Delete** to reset HDMI Control.
8. Press EXIT to clear the menus.