600-Series Harmony Remote

User Manual version 1.2

Table of Contents

Introduction

Congratulations on the purchase of your Harmony remote! This User Manual will introduce you to the basic online setup process, customizations and main features of your Harmony remote.

If in doubt about how to set up your Harmony remote, follow the information and instructions using the Logitech Harmony remote software (also referred to as Harmony remote software).

The Harmony remote is an Internet-powered universal remote control. Your Harmony remote can control most devices that understand infrared (IR) signals.

The configuration of your Harmony remote is simple:

- You will be prompted to answer questions about your entertainment devices to create your own personal Harmony remote configuration.

- Your answers will provide us with a description of the entertainment devices you want to control, how they are set up, and your preferences for controlling them.

- If one of your devices is not in the Harmony remote's database, the Harmony remote software will learn about your device and add it to your configuration.

- Once you have told us about your devices, you will then be guided through setting up Activities.

- Creating Activities is simple: you will be prompted to indicate the devices you use within an Activity and how you want to control specific features, such as the volume, within that Activity.

- An Activity is a set of commands the Harmony remote sends to your entertainment system to turn on the necessary devices.

- Once you have selected an Activity, you are in Activity mode, and the functionality of each button on your Harmony remote is automatically configured for that Activity.

- Additionally, the display buttons will give you access to other commands for that Activity, which cannot be set to the standard buttons.

  Example

  For the Watch Television Activity, the Harmony remote sends commands to your entertainment system to turn on the necessary devices so you can watch television. The remote will automatically be configured for the Activity based on the answers you selected during the online setup process for the Activity.

At the end of the setup process, you will have your own configuration loaded in your Harmony remote. Use your Harmony remote software to:

- Customize any of your Harmony remote's features.

- Add more entertainment devices.

- Add more Activities.

Getting to Know Your Harmony Remote

Many of the Harmony remote's buttons are standard remote buttons. However, there are buttons and other hardware that may not be so familiar to you. The extra buttons and hardware give you access to the special features of the Harmony remote.

1. **USB Connector:** Connect one end of the USB cable to this connector and the other end to your computer so that you can download your configuration using the Harmony remote software.

2. **Status Light:** Illuminates when the Harmony remote is sending commands.

3. **OFF:** Turns all devices off with one button press.

4. **Help:** Asks you simple questions so that your Harmony remote can fix problems you are having within an Activity.

5. **Activity Buttons:** Select an Activity and the Harmony remote will set up your entertainment system.

6. **Display:** Shows a list of your Activities and devices, help, infrared (IR) commands and any available listings.

7. **Display Buttons:** Use the buttons at the side of the display to select the corresponding command.

8. **Device:** Lists all your devices on the display, and allows you to select and directly control any device.

9. **Next:** Shows more options on the display.

10. **Menu:** Gives you access to the menu system on a device, if you have a device with this feature.

11. **Exit:** Exits from the Guide feature.

12. **Guide:** Gives you access to view program listings, if you have a device with this feature.

13. **Info:** Gives you additional information on program listings, if you have a device with the Guide feature.

14. **Sound:** Controls special sound features.

15. **Picture:** Controls special picture features.

16. **Prev:** Goes to previous television channel.

17. **Glow:** Backlight glow.

18. **Infrared Learning Port:** The Harmony remote uses this port to learn commands from your original remote.

628 655 659 676 680 670

Beginning the Setup Process

Once you have installed the Logitech Harmony remote software, connect your remote and you will be guided through a series of question-and-answer steps to complete the online setup process:

Login Information: Create your login information.

Check Connection: Ensures your computer and your Harmony remote are communicating properly.

Set Up Devices: Helps you provide us with information about the devices in your personal home theater system.

Set Up Activities: Helps you provide us with information about the way your devices work together to perform Activities (e.g. Watch Television Activity).

Update Remote: Updates your remote with your personal settings.

> **Note:** When using the Harmony remote software, click Help to view specific help for the step you are on.

Using Your Harmony Remote

This section provides you with information that will help you use your remote.

Selecting an Activity

View the Activities you have added by pressing the Activities button. The display will then list the Activities you have added. Press the corresponding display button next to the Activity you want to start.

As a default, when you select an Activity, you will see a message on the remote's display reminding you to keep the remote pointed at your entertainment system while the Activity starts. This helps ensure that all infrared (IR) signals are properly sent.

Use the Harmony Remote Software to turn on/off the "Starting Activity" message.

Switching Between Activities

To change to a different Activity:

1. Press any one of the Activity buttons to go directly to one of your favorite activities, or press the **More Activities** button to see a list of your other Activities.
2. Press the button next to the Activity you want to switch to.

Displaying Help on Your Harmony Remote

From time to time when you select an Activity, the Activity may not work. This can happen when the Harmony remote sends many infrared commands to set up all your devices for an Activity, but one or more devices are not receiving some commands. The Harmony remote is then "out of sync" with your devices (e.g. it thinks one of your devices is on, but it is actually off). Some of the reasons the Harmony remote can become "out of sync" with your system are:

- Someone walks between the Harmony remote and your entertainment system while an Activity is starting.

- You point your Harmony remote away from your system while an Activity is starting.

- There is an object blocking the line-of-sight between your Harmony remote and the system.

- You are very far away from your entertainment system.

You will need to use the Help button on your Harmony remote to resynchronize the remote with your devices. Before re-synchronizing, ensure the cause of the problem has been addressed.

Example

Remove all obstructions so that the entertainment devices can receive the infrared commands from the Harmony remote.

> **Note:** If your devices are no longer responding consistently to your Harmony remote, but were doing so before, you may need to recharge the battery.

To resynchronize:

1. Press the **Help** button on the remote.

Controlling Individual Devices

This section provides you with an overview of three modes you can use to access specific features of each device.

Device Mode

Press **Device** to enter device mode. Device mode gives you access to all the possible commands for each device included in your Harmony remote configuration. To access device mode you do not need to be in an Activity. However, you should never need to use Device mode during normal use of your Harmony remote. This mode should only be used to send a specific command to a specific device.

You can eliminate the use of device mode by customizing your Activities.

> **Example**
>
> You can put commands on the display or customize specific buttons for the commands.

See *Customizing Your Harmony Remote*.

At any time, press **Device** to switch into Device mode. Once in this mode, the Harmony remote will display a list of all the devices you have in your configuration. Select a device from the list and the Harmony remote will only control the device features for the device.

> **Example**
>
> If you choose Television as the device, the number, volume and channel buttons will all control your television.

Press **Device** again to return to exit Device mode.

Sound Mode

Sound mode focuses on controlling the sound features of the device you have chosen to control your sound (e.g. Stereo Receiver). When you are in any Activity, press **Sound** to switch to this mode. Once in Sound mode, the Harmony remote will only control sound features.

> **Example**
>
> If you choose stereo receiver to control the sound in your Watch a DVD Activity, press **Sound** and your Harmony remote buttons will now be set to control the sound features of the Stereo Receiver. The display will provide you with access to other sound-related commands such as Surround Field or Bass+.

Press **Sound** or the appropriate Activity button to return to Activity mode.

Picture Mode

Picture mode focuses on controlling the picture features of the device (e.g. TV or Projector) you have chosen to display video.

When you are in any Activity, press **Picture** to switch to this mode. Once in Picture mode, the Harmony remote will only control picture features.

> **Example**
>
> If you have chosen your Projector to display the video in your Watch a DVD Activity, press **Picture** and your Harmony remote buttons will now be set to control the picture features of the Projector. The display will provide you with access to other picture-related commands such as Aspect or Picture Adjust.

Press **Picture** or the appropriate Activity button to return to Activity mode.

Customizing Your Harmony Remote

All customization of your Harmony remote is done from the Harmony remote software:
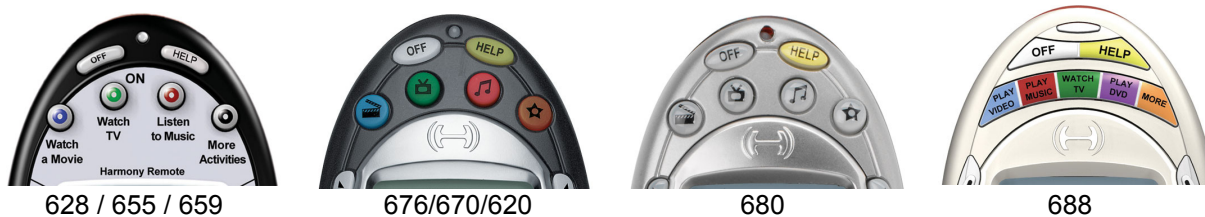
Use the Harmony remote software to:

- Troubleshoot

- Add or delete Activities

- Add or delete devices

- Change the settings for the remote

- Get support

- Update the remote

Update the remote after you have made changes your configuration or settings. This will ensure you have the latest configuration and settings on your Harmony remote.

Customizing the Activity Buttons

The Harmony remote gives you dedicated buttons for selecting Activities. As a default, the Harmony remote will automatically assign these buttons. You can keep the defaults, or use the Harmony Remote software to customize your Activity buttons.

Any activities not assigned to a specific button will automatically be located under the **More Activities** button.

628 / 655 / 659   676/670/620   680   688

Changing the Behavior of Buttons Within an Activity

When you select an Activity, the Harmony remote will:

- Turn on all the correct entertainment devices

- Set the device inputs correctly

- Set up the remote's buttons to control the Activity

Based on our knowledge of how each of your devices is controlled, the Harmony remote will make its best effort to match all the buttons you need to control an Activity.

However, there may be some commands you want to add to buttons or access via the display. Commands can be added to buttons quickly and easily by customizing any Activity to change the behavior of buttons.

Use the Harmony remote to change the behavior of buttons.

The change behavior of buttons feature shows you the:

- Buttons that have a command associated with them

- Device being controlled

- Command being sent to the device

Adding Custom-Labeled Buttons

Use the Harmony Remote Software to:

- Add custom-labeled buttons to a device.

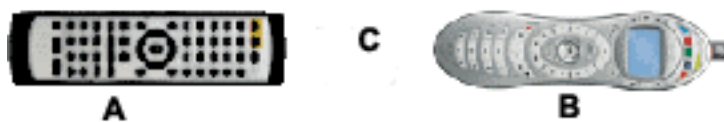- Add a custom-labeled button for an Activity.

Custom-labeled buttons are displayed on the Harmony remote's display from left to right, top to bottom.

Learning Infrared (IR) Commands

The Harmony remote can learn infrared commands from other remote controls, and should only be used in situations where the Harmony remote's infrared database does not already contain an infrared command you would like to use.

Using the Infrared Sensor

The Harmony remote has an infrared sensor at the end opposite to the USB connector. The Harmony remote uses this sensor to learn commands from original device remotes.

A: Your original remote

B: Your Harmony remote

C: Distance between remotes: 5-10 cm (2"-5") apart

The following steps outline what happens when you press a button on your original remote control:

1. The infrared sensor on the Harmony remote learns the infrared signal.

2. The Harmony remote uploads it via the USB cable (and your computer's internet connection) to the Harmony remote database.

3. The Harmony remote software will try to find a matching pattern for the infrared signal.

4. If no pattern is found, the signal will be stored as-is in its original format.

5. If a pattern is found, the Harmony remote software converts the signal into a format for convenient storage.

Either way, the signal is then available for you to assign to a button on your Harmony remote.

Naming an Infrared Command

When you teach an infrared command to the Harmony remote, give the command a name. This way you can refer to this command by name in various locations of the online setup process. It is best to use the default names listed on the Learn infrared commands step so that automatic button function assignments can be applied to your Harmony remote.

Example

If you teach the volume button infrared commands from your original remote control, name them "Volume Up" and "VolumeDown" (i.e. with no space, and capitalization as shown). The remote software

looks for commands with these names to automatically assign them to the volume up and down buttons on the Harmony remote.

Naming Conventions

When naming a command for which there is no default name on the Learn infrared commands feature, use the following naming conventions to make button assignment and sharing infrared commands easier:

- Do not use spaces or special characters such as /, & or * in the name.

- Capitalize the start of words (e.g. NextDisc, ModeDigital).

- Start the command name with its main function (e.g. VolumeRearUp, VolumeRearDown, VolumeFrontUp, VolumeFrontDown). This helps group related commands in lists.

- For infrared commands that select inputs (e.g. on a stereo receiver), start with the prefix "Input". Do not name the input based on what you have connected to your device, rather name it based on what it is called on the front of the device, or on the remote control (e.g. InputAux, InputVideo1, InputTape, InputDVD, Input VCR).

Additional Help

The Harmony remote provides you with several features to assist you with:

- Finding answers to your questions quickly and easily

- Troubleshooting the setup and customization process

Finding Answers to Your Questions

The help you find answers to your questions quickly and easily, consult any of the following tools:

Tool	Description
Search	A support tool that enables you to do a keyword search.
FAQs (Frequently-Asked Questions)	A searchable list of customer questions, with answers provided by Harmony's support center.
User Manual	The User Manual explains the concept of your Harmony remote and provides information about setting up and using the remote.
Help button	When running the Harmony remote software, click this button for help specific to the step you are on.
Help button (on remote)	Asks you simple questions so the Harmony remote can automatically fix problems you are having with an Activity.

Troubleshooting Your Harmony Remote

In addition to the tools listed under **Finding Answers to Your Questions**, you can use the following tool to troubleshoot your Harmony remote:

Tool	Description
Troubleshoot	To be used when the Harmony remote is not controlling your system correctly.

If you cannot find the answer to your question(s) or troubleshoot your problem(s), contact your Harmony Support Team.