

# Quick Remote Control Programming & Tips for Installers

## Introduction

This document only provides the steps to program various remote features. For more details on each feature, refer to Chapter 8 - Remote Controls of the *Installation Reference Handbook*.

## Highlights

- Discrete ON and OFF commands for learning remotes
- Limited Mode & Easy Limited Mode
- Power Scan
- Recover Button
- Extended Remote Addresses

The programming instructions included on this page are for the following remote control versions: 3.0, 3.1, 3.2, 4.0, 5.0, 5.2, 5.3, 6.0, 6.2, 6.3, 8.0, 8.1, 10.1



## Sending Discrete Power On and Off

For most newer DISH Network remote controls.

1. Program remote for desired remote address.
2. Hold the SAT mode button down until all mode lights are backlit, then release.
3. Press POWER (not TV Power).
4. Press VOLUME UP for discrete power on, or VOLUME DOWN for discrete power off.
5. Press any other button when done to end this procedure.

## Programming Limited Mode for TV

While the steps below show how to program Limited Mode for a TV, you can also program Limited Mode for a connected VCR using the same procedure (use VCR mode instead of TV mode).

1. Turn the TV on.
2. Press and hold the TV mode button until all mode buttons light up.
3. Enter one of the three-digit codes for your TV model from the remote control user's guide table.
4. Press 1 to program Limited Mode.
5. Press POUND (#).
6. Confirm that only the remote POWER, MUTE, and VOLUME buttons work with the TV.

## Easy Limited Mode Setup

*Only available in remote control models 3.2, some 5.2, 5.3, some 6.2 and 6.3.*

To remove Limited Mode for these remotes, use the procedure below and press the PAGE DOWN button instead. This procedure can be done for TV mode, VCR mode, and TVs and VCRs programmed into AUX mode.

After programming one of the mode buttons:

1. Press and hold that MODE button until all four mode lights are lit, then release.
2. Press PAGE UP once.
3. Press POUND (#).

## Scanning for TV Code ("Power Scan")

Use the quick steps below to scan the remote control's memory for the code that works the TV. You can also scan for other devices (VCRs, etc.) using the same procedure (use the other device mode instead of TV mode).

1. Turn the TV on.
2. Press and hold the TV mode button until all mode buttons light up.
3. Press POWER (not TV Power).
4. Press just UP ARROW (or just DOWN ARROW, but not both) repeatedly until the TV turns off - a new code is sent each time you press the button.
5. Press POUND (#).
6. Turn the TV on and confirm the remote operates it.

## Recover Button for Remote Control 2

You can also program RECOVER for a connected VCR using the same procedure (use VCR mode instead of TV mode).

1. Program Remote Control 2 to control your TV.
2. Press and hold the TV mode button until all mode buttons light up.
3. Press STAR (\*)
4. Enter your TV2 Agile channel using 3 digits (ex. 0-6-0 for Channel 60).
5. Press POUND (#)

## Extended Remote Address (17-31)

To program a remote control to operate in the extended range (17 to 31), complete the following:

1. Open the receiver's System Information screen using the front panel SYS INFO or SYSTEM INFO button.
2. Hold the SAT mode button down until all mode lights are backlit, then release.
3. Press POUND (#).
4. Press CHANNEL UP to enter the extended address mode.
5. Choose an extended remote address (a number from 17 to 31), then subtract 16 from that address. Enter the result.
6. Press POUND (#). If the address was entered correctly, the SAT mode button flashes three times.
7. Press RECORD. Make sure the extended remote address you see on the System Information screen is the same as what you wanted in step 5 (17 to 31). If it isn't, the remote cannot control the receiver.

# Quick Facts Quick Remote Control Programming & Tips for Installers

## Remote Antenna

- The UHF remote control antenna **MUST** be connected to REMOTE ANTENNA port on the rear of each applicable receiver for proper UHF remote/receiver operation.

## Teaching/Learning Remotes

- The IR address from the “teaching remote” must match the IR address of the receiver. For example, if the DISH Network IR remote used to teach the universal remote is set to address 4, the address of the receiver must also be set to address 4.
- Because the DISH 811 & DISH Player-DVR 921 receivers ship with UHF Pro only remote controls, both receivers have a “Teach Remote” feature, so that the UHF Pro remote can be used to tell the receiver to blast IR commands out to a learning remote.
- IR commands from any of our past remotes (excluding 7100/7200) can be used to program a universal IR learning remote.
- The EZ remote uses a “broadcast” IR address. If used to teach a universal remote, it will not matter what address the receiver is set to.

## UHF Pro Remotes

- UHF Pro technology is not compatible with UHF. A UHF Pro receiver cannot be controlled using the UHF signal from a UHF remote. A UHF receiver cannot be controlled by the UHF Pro signal of a UHF Pro remote.
- For UHF Pro remotes with an A/B switch inside the battery compartment: If you use a UHF Pro remote near another UHF Pro remote on the same frequency (for example, another receiver in the home, or a neighbor has one), selecting the other band tells the remote to use a different remote frequency, and eliminates conflicts with the other remote control(s). For use with DISH Player-DVR 942, ViP622 DVR and later dual-tuner receivers only.

## Dual-Tuner Receivers

- TV1 of dual-tuner, two-TV receivers can be configured to accept either IR *or* UHF Pro commands. A TV1 UHF Pro key installed in the remote is required. Use the replacement remote’s user guide to ensure the correct TV1 UHF Pro key is used (one is for DISH Player-DVR 522/625, one is used for all others).
- TV2 of dual-tuner, two-TV receivers is UHF Pro ONLY.
- The TV2 remote control for dual-tuner, two-TV receivers can be configured for use as an IR remote control for TV1 *or* as a UHF Pro remote control for TV2 (the TV2 remote ships with the blue UHF Pro key installed).

## UHF/UHF Pro Reception Tips

- Make sure the satellite receiver’s UHF antenna and tip is away from metal objects, wiring, and electronics (DVD player, etc.) located on a shelf above or below the satellite receiver. The antenna should be angled away so the tip is separated from the electronics by a couple of inches if possible. Also, shifting the position of the satellite receiver on the shelf may help.
- For dual-tuner, two TV receivers, if the TV2 room is a floor or two above or below where the receiver is located, it might help to orient the antenna as horizontal (flat) as possible.
- It may help to move the antenna away from the back of entertainment center wiring and other electronics with a length of RG-6 cable (3 to 5 feet).
- A 6 to 15 dB F-connector attenuator (from Radio Shack, etc.) can be installed in between the UHF antenna input and the antenna to improve performance in certain circumstances. This works best for distances of up to approximately 75 feet within a residence.
- Combining the RG-6 cable extension with the attenuator might be needed if the prior steps are not effective.

## Receivers

Feature	111*	ViP 211*	222 TV1	222 TV2	311*	322 TV1	322 TV2	522/625 TV1	522/625 TV2	811	921	942 TV1	942 TV2	ViP622 TV1	ViP622 TV2
Receives IR	Yes	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes	Yes	No	Yes	No
Receives UHF Pro	No	No	Yes**	Yes	No	Yes**	Yes	Yes**	Yes	Yes	Yes	Yes**	Yes	Yes**	Yes

\*The IR-to-UHF Pro Upgrade Kit can be purchased to provide remote control operation from a distance.

\*\*TV1 can be controlled by UHF Pro when using the applicable replacement remote control with a TV1 UHF Pro key installed.

