

This document features:

- Discrete ON and OFF commands for learning remotes
- Power Scan
- Limited Mode
- Recover Button
- Tips for proper use

For remote control versions:

3.0, 3.1, 3.2, 4.0, 5.0, 5.2,
5.3, 6.0, 6.2, 8.0, 8.1, 10.1

Sending Discrete Power On and Off

Remote control discrete power ON and power OFF IR commands are used by installers when programming macro commands into universal remotes. Using an ON-only or OFF-only command is more effective than a toggle ON/OFF command when trying to ensure the satellite receiver is reliably in one state or the other.

Most newer DISH Network remotes support discrete power commands in satellite mode at the remote's programmed address. To use them, do the following:

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

Limited Mode keeps the customer from accidentally changing the channel on their TV. When Limited Mode is enabled, only the POWER, MUTE, and VOLUME buttons will work with the TV.

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 #.
6. Confirm that only the remote POWER, MUTE, and VOLUME buttons work with the TV.

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 the POWER button (not TV Power).
4. Press the UP or DOWN ARROW repeatedly until the TV turns off.
5. Press #.
6. Turn the TV on and confirm the remote operates it.

Recover Button

The customer can use Recover to restore satellite TV if they accidentally change the TV channel or video input. The remote must be programmed to operate the TV (and if used in line, the VCR).

The quick steps below describe how to use Recover and how to program the RECOVER button on the Remote Control 2 for TV2. You can also program RECOVER for a connected VCR using the same procedure (use VCR mode instead of TV mode).

Using RECOVER

1. Make sure the TV is on.
2. Press and hold RECOVER until all four mode buttons light, then release. The SAT mode button flashes twice and then all four mode buttons flash three times.
3. Press RECOVER. Wait for the TV or VCR mode button to flash once and then all four mode buttons to flash once.
4. If you see the System Info screen, press SELECT to close the screen. You have recovered your satellite video.
5. If you do not see the System Info screen, repeat steps 3 and 4 until you do.

Programming RECOVER for Remote Control 2

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 *.
4. Enter your TV2 Agile channel using 3 digits (ex. 0-6-0 for Channel 60).
5. Press #.

Quick Facts Remote Control Tips for Installers

Antenna

- The UHF remote control antenna **MUST** be connected to the rear of the 811, 921, 322 (TV2, TV1 UHF Pro), 522 (TV2, TV1 UHF Pro), 625 (TV2, TV1 UHF Pro) and 942 (TV2, TV1 UHF Pro) for proper UHF remote/receiver operation.

Universal/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.
- 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

- For UHF Pro remotes with an A/B switch inside the battery compartment: If you use a UHF Pro remote in the same vicinity as 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 and later dual-tuner receivers only.
- UHF Pro is not compatible with UHF. A UHF Pro receiver cannot be controlled using the UHF signal of a UHF remote. A UHF receiver cannot be controlled use the UHF Pro signal of a UHF remote.

Dual-Tuner Receivers

- TV1 tuner of 322, 522, 625 & 942 receivers can be configured to accept either IR *or* UHF Pro commands.
- TV2 tuner of 322, 522, 625 & 942 receivers is UHF Pro **ONLY**.
- TV2 remote for 322, 522, 625 & 942 receivers can be configured for use as an IR (TV1) *or* UHF Pro (TV2) remote control.

811 & 921

- 811 and 921 remotes (8.0) only send UHF Pro commands for satellite receiver operation (IR only for TV, VCR, AUX). 811 and 921 receivers **CAN** receive both IR and UHF Pro commands and therefore can be operated with a universal home theater IR remote control.
- 811/921 receivers: IR commands from any of our past remotes (excluding 7100/7200) can be used to program a universal IR learning remote, however, the TV1 remote (5.0) from the 522/625 is ideally suited for this purpose.
- The 811 & 921 receivers both 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.
- DVR buttons on the 811's 8.0 remote are used to operate some VCRs and DVD players.
- The “DVR” button on the 811's 8.0 remote is unused. This 8.0 remote feature is only used for 921 DVR receivers.
- PIP buttons on the 811 remote can be used to operate the PIP features on some PIP capable TVs.

Receivers

Feature	111*	311*	322 – TV1	322 – TV2	522/625 – TV1	522/625 – TV2	811	921	942 – TV1	942 – TV2
Receives IR	Yes	Yes	Yes **	No	Yes **	No	Yes	Yes	Yes**	No
Receives UHF Pro	No	No	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 tuner of 322, 522, 625 & 942 receivers can be configured to accept either IR *or* UHF Pro commands.

