



DIRECTV Advanced Entertainment Platform RC90C remote setup

The DIRECTV Advanced Entertainment Platform (AEP) provides the best in live TV, on demand titles, and services for commercial lodging and institution properties with professional installation. This manual describes how to set up and use the RC90C remote with the AEP2-100 set-top box.



RC90C Remote

Installing Batteries

The remote requires two AA Batteries. Alkaline batteries are recommended. A diagram inside the battery compartment of the remote indicates proper placement of the batteries. When batteries are properly installed, the remote will start to work and the LEDs will light when keys are pressed.

Remote Keys

The diagram below describes each key on the remote.



RC90C Remote Keys

Key press notation

Throughout this manual, the following notation is used to describe key press operations on the remote:

- <Key> Press and release the key
- <<Key>> Press and hold the key for more than 3 seconds
- <<Key1 + Key2>> Press and hold Key1 and Key2 keys simultaneously for more than 3 seconds

Important features of the RC90C remote control

- Default IR mode requires the remote and the IR sensor for the AEP2-100 set-top box to be in line of sight to each other and provides set-top box control without having to pair the remote with the AEP2-100 set-top box.
- Optional RF mode requires pairing the remote with the AEP2-100 set-top box and provides set-top box control. This eliminates the need for the remote and the IR sensor for the AEP2-100 set-top box to be in line of sight to each other. The remote and AEP2-100 set-top box must establish

an RF connection and remain within RF operation range in order to provide control of the set-top box. The RF operation range is up to 10 meters but will be dependent on the specific operating environment.

- The remote has a directional pad for navigation. Basic operations and functions can be selected by pressing the up, down, left, or right direction arrows as needed to highlight the desired feature, then pressing <OK>.
- The remote may be configured to control TV power, volume, mute, and input selection functions in addition to AEP2-100 set-top box functions. The remote and the IR sensor for the TV must be in line of sight of each other and the remote must be configured for the TV make/model in order to provide control of the above TV functions.


LED Behavior



RC90C Remote LEDs

Remote operation	Action	LED Behavior
Bootup confirmation	Install batteries	Red LEDs 1 & 2 will long blink 1x @ 1000ms
Key press confirmation (User mode)	Press any key	Red LEDs 1 & 2 will light while key is pressed.
Setup mode	Press and hold <<"-" (Dash) + INFO>> for 3 seconds. The remote enters the setup mode.	Red LEDs 1 & 2 will light up. Red LEDs 1 & 2 will turn off while any key is pressed.
Error Blink	Incorrect setup sequence	Red LEDs 1 & 2 Red LED will short blink 2x @ 200ms
RF pairing mode	Press and hold <<⏮ (Rewind) + ⏭ (Fast-Forward)>> for 3 seconds. The remote enters RF pairing mode.	Red LEDs 1 & 2 will short blink @ 200ms in an alternating sequence.
Clear RF pairing mode	Press and hold <<"-" (Dash) + ⚙ (User Settings)>> for 3 seconds.	Red LEDs 1 & 2 will light up. Red LEDs 1 & 2 will turn off while any key is pressed.
Factory Reset	Press and hold <<"-" (Dash) + INFO>> for 3 seconds followed by <9> <8> <1>.	Red LEDs 1 & 2 will short blink 4x @ 200ms.
Low Battery indication	Battery voltage falls below operating threshold	Red LEDs 1 & 2 will short blink 3x @ 200ms.

Remote Control Setup

The RC90C remote comes configured to control the AEP2-100 set-top box in IR mode. After completing the AEP2-100 set-top box installation and installing batteries in the RC90C remote, turn the TV on and point the remote at the IR sensor for the AEP2-100 set-top box and then press and hold <<  (Rewind) + GUIDE>> to access the Admin Settings application. Once in Admin Settings, navigate to Remote Setup and follow the instructions on the screen. There are options for configuring the remote to operate in either IR or RF mode to control the set-top box as well as setup the remote to control the TV power, volume, mute, and input selection functions. There is also an option to update the RC90C remote software as needed.

If desired, manual TV setup and RF mode pairing operations are also possible as described in the sections below.

Manual TV setup

To manually setup the remote for TV power, volume, mute, and input control:



1. Press & hold <<"-" (Dash) + INFO>> to enter Setup mode (Red LEDs 1 & 2 will light up).
2. Press the 4 or 5 digit code that represents the TV make/model. If an invalid code is entered, the remote will notify user with an error blink (Red LEDs 1 & 2 short blink 2x @ 200ms) and then return to Setup mode (Red LEDs 1 & 2 on) to wait for the next code entry.
3. Press <OK> to save the TV make/model code. Red LEDs 1 & 2 will long blink 1x @ 1000ms and then turn off.

While in Setup mode, the remote will return to User mode and notify the user with an error blink (Red LEDs 1 & 2 will short blink 2x @ 200ms and then turn off) if:

- User presses the <EXIT> key
- There is no user activity for > 20 seconds


No code is saved under these circumstances.

Manual RF mode pairing

To manually initiate RF mode pairing on the remote, press and hold <<  (Rewind) +  (Fast-Forward)>> until the remote LEDs begin blinking in an alternating sequence. The remote will initiate RF advertising and be discoverable for up to 60 seconds. If the remote is successfully paired with another device, both LEDs will long blink 1x @ 1000ms. In the event no pairing is successfully completed before the 60 second timeout, the remote will stop advertising, the LEDs will stop blinking, and the remote will return to User mode.

Clear RF mode pairing

To manually clear any RF mode pairing on the remote:

1. Press & hold <<"-" (Dash) +  (User Settings)>> to enter Clear RF pairing mode (Red LEDs 1 & 2 will light up).
2. Press <9> <8> <1>.

While in Clear RF pairing mode, the remote will return to User mode and notify the user with an error blink (Red LEDs 1 & 2 will short blink 2x @ 200ms and then turn off) if:

- User presses the <EXIT> key
- User presses any key sequence other than <9> <8> <1>
- There is no user activity for > 20 seconds

No RF pairing is cleared under these circumstances.

Low Battery Voltage

Setup and RF pairing functions are not supported if the battery voltage falls below the operating threshold. In such an event, the LEDs will notify the user through the Low Battery indication. The RCU will then return to User mode.

Factory Reset

To factory reset the remote:

1. Press & hold <<"--" (Dash) + INFO>> to enter Setup mode (Red LEDs 1 & 2 will light up).
2. Press <9> <8> <1>.

When factory reset, the remote will delete any TV make/model or RF pairing settings and return to default IR mode for AEP2-100 set-top box control.

While in Setup mode, the remote will return to User mode and notify the user with an error blink (Red LEDs 1 & 2 will short blink 2x @ 200ms and then turn off) if:

- User presses the <EXIT> key
- There is no user activity for > 20 seconds

No factory reset is performed under these circumstances.

FCC information:

FCC ID: 2AGOFRC469B

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.