

Technicolor Denali BLE OTT RCU 2018

Quick Start Guide

Dimensions: 41 x 162.3 x 22mm
 Batteries: AAA x 2
 Designer: Wesley Millora
 Date: 12/20/2017

Top Case

- Pure Black
ABS, MT11510
- Pure Black
ABS, High Gloss (chamfers and side wall)

Bottom Case

- Pure Black
IR Translucent ABS, MT11510

Battery Door

- Pure Black
ABS, MT11510

Key Pad

- Pure Black
Silicone Rubber, Matte Finish
- Translucent (feedback LED)
Silicone Rubber, Matte Finish

NETFLIX, Navi, & OK Keys

- White (NETFLIX)
ABS, MT11510
- Pure Black (Navi & OK Keys)
ABS, MT11510

Key Pad Print

- Cool Gray 1 C
Print, Matte Finish
- Pantone 7481 C
Print, Matte Finish
- Pantone 123 C
Print, Matte Finish
- Pantone 485 C
Print, Matte Finish
- Pantone 285 C
Print, Matte Finish

Navi & OK Key Print

- Cool Gray 1 C
Print, Matte Finish

NETFLIX Key Print

- Pantone 1795 C (NETFLIX Red)
Print, Matte Finish

Top Case Print

- Cool Gray 3 C
Print, Matte Finish



NOTE: Colors on rendering are for reference only. Please refer to Pantone color book for true colors.



This rendering is for reference only. It is not to scale and design features may vary upon engineering review. This is Proprietary Information of Universal Electronics Inc. **CONCEPTUAL & CONFIDENTIAL**

<i>Operating Frequency</i>	<i>RF power</i>	<i>Transmitter Technology</i>
2402 to 2480 MHz	8.63 dBm max conducted	BLE GSFS modulation

Auto Pairing Mode

- Out of the box and with batteries inserted, the RCU shall enter into auto-pairing mode, as long as the RCU has no pairing information stored in memory.
- The feedback LED will start blinking rapidly, indicating that the remote is in pairing mode.
- The remote shall first send out an IR code in case the STB supports IR assisted pairing. In case the STB doesn't support IR assisted pairing, the STB shall ignore the IR code.
- After sending the IR code for pairing, the remote shall start transmitting general BLE advertisement (ADV_IND) packets with an advertisement interval of PAIR_ADV_INTERVAL and repeatedly transmits for up to PAIR_ADV_DURATION. If no connection is established as a result of the advertising, the RCU returns to deep sleep state after PAIR_ADV_DURATION (refer to section 8.4.6.1).
- If the remote doesn't pair with the host during the first 60sec or PAIR_ADV_DURATION, the remote shall go to sleep and stop advertising.

Manual Pairing Mode

- To wake up the remote to enter it back into pairing, the user would have to press the key combination **Play/Pause and Home** for at least 3 sec.
- Once in pairing mode, the remote will first send out an IR command to the target STB to put it into pairing mode. If the target device does not support IR assisted pairing, it shall ignore the IR code.
- After sending the IR code for pairing, the remote shall start transmitting general BLE advertisement (ADV_IND) packets with an advertisement interval of PAIR_ADV_INTERVAL and repeatedly transmits for up to PAIR_ADV_DURATION. If no connection is established as a result of the advertising, the RCU returns to deep sleep state after PAIR_ADV_DURATION (refer to section 8.4.6.1).
- If the remote doesn't pair with the host during the first 60sec or PAIR_ADV_DURATION, the remote shall go to sleep and stop advertising.

Manual Un-Pairing

If the RCU is paired and the user is simultaneously pressing and holding the keys **Play/Pause and Back** for at least 3 seconds, the pairing information will be deleted. If necessary, the RF link should be disconnected. Below is the sequence of operations that needs to be executed –

- The RCU should initiate a link disconnection (terminate link) if there is any active connection
- RCU should make an attempt to disconnect cleanly and if it fails, the RCU should force the link disconnection

- Delete the pairing information

The RCU should also send the un-pairing message to STB so that the STB can remove the pairing entry. QuickSet and UAPI related features should be reset after this operation is performed. The RCU will revert default IR state. If there are any Universal TV or Audio codes already setup, they will remain unchanged. If the user wishes to go back to the BLE mode, the user will need to re-pair according to section.

Customer Reset/Feature Reset

This feature clears the RAM and heap memory, and performs a soft reset. It will reset the remote control features except the pairing information.

1. Press and hold **Error! Reference source not found.** until the feedback LED blinks twice.
2. Enter 977 to initiate feature reset
3. The feedback LED will display four blinks to indicate a successful reset.

COMPLIANCE WITH FCC RULES AND REGULATIONS

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 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, 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 or decrease the separation between the equipment and receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced remote control/ TV technician for help.

This equipment has been verified to comply with the limits for a Class B computing device, pursuant to FCC Rules. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

FCC Authorization Label

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.
- 2 This device must accept any interference received, including interference that may cause undesired operation.

IC Statement (English and French):

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.