Picture for reference only

User Manual

LGI Babylon Green RCU RC477(Atmosic chipset)

1. Products Functions

The RC477 remote connects via Radio Frequency for Bluetooth Low Energy (BLE) to LGI set-top box, which has Nuance voice enabled. This connection is needed to control all essential features that LGI offers, including browsing content, playing videos, and conducting voice searches. BLE are also used for over-the-air firmware upgrades as well as the download of TV control codes. The remote further includes infrared (IR), used for the one-time initiation of the BLE connection, as well as volume and power control of third-party non-Bluetooth TVs.

2. Product Summary

- Total 4 models

Type Nr	12 NC	Description
RC4773801/01BR	3139 238 4285 1	with 4-color keys, 38 keys, Virgin Media logo
RC4773401/01BR	3139 238 4286 1	w/o 4-color keys, 34 keys, LGI flower logo
RC4773402/01BR	3139 238 4287 1	w/o 4-color keys, 34 keys, Ziggo logo
RC4773403/01BR	3139 238 4288 1	w/o 4-color keys, 34 keys, Telenet logo

- Each RCU includes 1x Bio-color LED(Red/Green)

Remark: RC4773801/01BR = RC477380101BR

RC4773401/01BR = RC477340101BR

RC4773402/01BR = RC477340201BR

RC4773403/01BR = RC477340301BR

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3. BLE keycode table for STB

- 38 Keys remote:

1 **TV Power** TV IR		2 **STB Power** (0x0C, 0x30)	
	3 **Home** (0x0C, 0x223)		34 **Profile** (0x0C,0x18D)

4 **EPG** (0x0C, 0x8D)	6 **Up** (0x0C, 0x42)	5 **Live TV** (0x0C, 0x89)
7 **Left** (0x0C, 0x44)	8 **OK** (0x0C, 0x41)	9 **Right** (0x0C, 0x45)
11 **Back** (0x0C, 0x224)	10 **Down** (0x0C, 0x43)	12 **Context** (0x01, 0x84)
14 **Vol Up** TV IR Only	13 **Voice** (0x0C, 0x221)	16 **Ch Up** (0x0C, 0x9C)
15 **Vol Down** TV IR Only	18 **Record** (0x0C, 0xB2)	17 **Ch Down** (0x0C, 0x9D)
19 **Rewind** (0x0C, 0xB4)	20 **Play/Pause** (0x0C, 0xCD)	21 **Fast Forward** (0x0C, 0xB3)
22 **1** (0x07, 0x1E)	23 **2** (0x07, 0x1F)	24 **3** (0x07, 0x20)
25 **4** (0x07, 0x21)	26 **5** (0x07, 0x22)	27 **6** (0x07, 0x23)
28 **7** (0x07, 0x24)	29 **8** (0x07, 0x25)	30 **9** (0x07, 0x26)
32 **Mute** TV IR Only	31 **0** (0x07, 0x27)	33 **Input** TV IR Only

35 **Red** (0x07, 0x3A)	36 **Green** (0x07, 0x3B)	37 **Yellow** (0x07, 0x3C)	38 **Blue** (0x07, 0x3D)

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- **34 keys remotes:**

1 **TV Power** TV IR		**2** **STB Power** (0x0C, 0x30)	
	3 **Home** (0x0C, 0x223)		**34** **Profile** (0x0C,0x18D)

4 **EPG** (0x0C, 0x8D)	**6** **Up** (0x0C, 0x42)	**5** **Live TV** (0x0C, 0x89)
7 **Left** (0x0C, 0x44)	**8** **OK** (0x0C, 0x41)	**9** **Right** (0x0C, 0x45)
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28 **7** (0x07, 0x24)	**29** **8** (0x07, 0x25)	**30** **9** (0x07, 0x26)
32 **Mute** TV IR Only	**31** **0** (0x07, 0x27)	**33** **Input** TV IR Only

4. BLE Pairing mechanism

1)When remote unpaired, press any RF key (excluding <Vol+>,<Vol->,<TV Power> and <Input>).

2)RCU sends pairing IR commands to trigger pairing at the STB.

3)RCU sends advertisements for pairing.

4)If pairing is successful, the RCU LED will stop blinking.

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5)If pairing fails, the RCU LED will blink according to the Pairing Fail scenario.

6)The pairing mode timeout is 60s.

7)If the RCU is already paired, the user can manually re-pair the RCU to the same or another STB by pressing combo key simultaneously for 5 seconds.

5. Voice

The RCU supports one-way voice transferred from RCU to host.

When voice key is pressed down, voice key code is sent to STB to call out voice search engine on host.

6. OTA upgrade

The RCU software supports upgrade via OTA (Over-The-Air).

7. Compliance Statement

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

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

8. Caution:
- Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Risk of explosion if batteries are replaced by an incorrect type. Only use AAA alkaline batteries.

9. FCC information:
FCC ID:2AGOFRC477A
FCC Statement: 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.

RF exposure statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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NOTE 1: 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.

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