
RDK Platform – Information Required

BLE and Voice information required



RDK PLATFORM – BLE & VOICE

Spec RDK-SP-BLE-RV-Service-D02-200120 Dated: January 20, 2020:

- Section 6.1, 6.5, 6.7, 6.8, and 6.11 – UUID is undefined (currently marked as TBD or ** in the document). What should this be?
- Section 6.11.2.1 (G726 and IMA/DVI ADPCM Frame Format) – What happens when MTU size is bigger than 23 bytes and/or Data Length Exchange is enabled?

Spec RDK-SP-BLE-RVR-Service-D02-210412 Dated: April 12, 2021

- Section 7.1.3 (Service UUIDs AD Type) – Do we need to define all or some UUID in the advertising packets? Advertising packet has limited space and therefore needs to define a specific UUID. Please help to provide all the field definitions for the advertising packets.
- Section 7.1.6 (HID report map) – Is there any feature or functionality that gets triggered when more than 2 keys are pressed simultaneously? What happens if the remote control allows max 2 key presses simultaneously?
- Section 7.1.6 (HID report map) - Each key represents 1 byte key code, typically, many remotes will do 2 bytes for the key code. Is the plan to support only 1 byte key code? Is there a plan to support consumer page (spec defines only keyboard page)? If so, spec needs to define report ID and report map.
- Section 8 (connection requirements) – This is TBD. Please provide further detail on the requirement.

RDK-V Reference Platform : STB + Remote Control

- Current image on the RDK STB (vip7802_FBT_rdk-next_20210526125621) and the Remote Control shipped with the RDK STB does not support Voice and only certain keys are such as the D-Pad, CH+/CH- are functional. Does the Remote Control FW need to be updated as well? If so; please provide FW and instructions. If not, when will voice functionality of the STB/Remote be ready?
- Please provide updated images with download instructions for both the RDK STB and Remote Control that supports BLE and voice services. (Having DFU and IR service support confirmed working on the STB would be helpful as well).
- If the secure connection is supported over the BLE, please provide a way to get the link keys from the STB. This will help during development.

GATT Service Specifications

- All 3 GATT service specifications appear to assume a fixed value of ATT_MTU of 23. Even without the use of DLE (Data Length Extension), a value of ATT_MTU greater than 23 can be negotiated between master and slave. Greater values of ATT_MTU reduce transmission overhead. Moreover, a greater value of ATT_MTU allows taking advantage of DLE if it is supported. Is there a reason why values of ATT_MTU greater than 23 are not supported?

General Remote Control Spec question

- What are the specific key codes (BLE and IR) that must be supported by an RDK remote?