

IWRAP6 BETA

RELEASE NOTE

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Version 1.0



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VERSION HISTORY

Version	Comment
1.0	First version

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1 Changes from iWRAP 5.0.2

1.1 New features in iWRAP5.5 Beta (for WT11i, WT12 and WT41)

- iAP2 support has been added.

1.2 New features in iWRAP6 Beta (for WT32i)

- MAP notification support has been added.
- Partial MAP message filtering support has been added.
- AVRCP 1.5 controller support has been added.
- iAP2 support has been added.
- AAC support has been added.
- External I2S audio codec configuration support has been added.

1.3 Issues addressed

1.3.1 General issues

- SET CONTROL AUDIO now allows setting the number of bits when configured as I2S master.
- LOOPBACK command has been added that allows directly routing an audio input to an output.
- A new “{pskey} ?” command to read the value of a PS key has been added.
- A new optional parameter has been added to SET BT MTU command to set SDP MTU. This allows increasing the MTU from the default of 48 to avoid fragmenting SDP records (required by Apple BTCT tool). IAP builds use a larger setting by default.
- A new parameter has been added to SET CONTROL PIO to set PIOs which are ignored for SET CONTROL BIND. This is required for SLEEP command to work when any inputs are held high.
- PSKEY_DEEP_SLEEP_ON_EITHER_LEVEL is now always written with DFU upgrade. This is required for the SLEEP fix.
- The low level CSR firmware has been updated to fix two issues: Disconnects due to RFCOMM_PEER_VIOLATED_FLOW_CONTROL errors should no longer happen (fixes the Known Issue IWRAP-578). SPDIF metadata no longer randomly indicates compressed audio.
- Setting an empty string with SET BT NAME no longer crashes iWRAP.
- INFO now displays the correct number of ACLs for WT32i.
- SET CONTROL PIO bias parameter is no longer ignored in some cases.
- The default supervision timeout has been lowered to 6 seconds from 20 seconds. This is to avoid excessively long delays when the connection breaks.
- HSP profile is now included in iAP builds.

1.3.2 A2DP profile issues

- aptX codec has been updated to a newer version to improve audio quality. The new version always requires a valid aptX license key to start and will no longer work for 5 minutes without a valid license key.

- A new “A2DP” command has been added to check for a valid aptX license key.
- SBC codec has been updated to a newer version.
- A2DP commands are now automatically routed to the correct link if the currently selected link is not one. If multiple A2DP links are active, the first link shown by LIST command is used.
- SPDIF and I2S input have been fixed.
- SBC maximum bitpool is now set to the suggested 53 instead of 250.
- The version number stored in the A2DP SDP record has been fixed to 1.2.
- AAC and aptX codecs are no longer always enabled when compiled in the build and the other end is initiates the connection.

1.3.3 AVRCP profile issues

- AVRCP commands are now automatically routed to the correct link if the currently selected link is not one. If multiple AVRCP links are active, the first link shown by LIST command is used.
- AVRCP profile is no longer included in BC4 (WT11i, WT12, WT41) builds by default.

1.3.4 iAP profile issues

- iAP now displays the protocol version in “IAP {linkid} OK {iapver}” print.

1.4 Newly discovered known issues

- IWRAP-680: When connected to an iOS device and making an outgoing call, the existing connection may be closed with L2CAP_DISCONNECT_LINK_LOSS error if the outgoing call fails. Decreasing page timeout with SET BT PAGEMODE may help with this issue.

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