AIROC™ Bluetooth® test and debug tool release notes

Version

1.4.2

About this document

Scope and purpose

AIROC™ Bluetooth® test and debug tool is a stand-alone, cross-platform tool for testing and debugging AIROC™ Bluetooth® devices. The tool communicates with Bluetooth® devices through a Host/Controller Interface (HCI) and supports UART and USB physical interfaces.

Document conventions

Convention	Explanation
Bold	Emphasizes hotkeys and the names of menu items, tabs, buttons, labels and windows
Italics	Denotes file names and paths
`Courier New`	Denotes command line inputs
File > New	Indicates that a cascading sub-menu opens when you select a menu item

Reference documents

Refer to the following document for further information:

- AIROC™ Bluetooth® test and debug tool user guide

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1 Primary changes

AIROC™ Bluetooth® test and debug tool 1.4.2 includes the following updates and features:

- The Extended_Transmit_Power_Table_Config HCI command is now available on the list of vendor-specific commands.

2 What's included

2.1 Package contents

The AIROC™ Bluetooth® test and debug tool package contains:

- *airocbluetoothtoolgui* executable – the GUI application.
- *airocbluetoothtoolconsole* executable – the console application.
- Drivers used to communicate with AIROC™ Bluetooth® devices.

2.2 Supported devices

AIROC™ Bluetooth® test and debug tool supports the following AIROC™ Bluetooth® devices.

2.2.1 Stand-alone Bluetooth® chips:

- CYW20702/5/89071
- CYW20730
- CYW20732/6/7
- CYW20733
- CYW20703/4/6/7/34/89072
- CYW20735B0
- CYW20735B1
- CYW20819/20
- CYW20719/21/39
- CYW20829

2.2.2 Combo chips:

- CYW4330/43303/40183
- CYW43340
- CYW4343W/4343A1/43438
- CYW4343A2/43439
- CYW4339/89335
- CYW43455/4345C0
- CYW4350C0/4354
- CYW4354A2/4356
- CYW4356A3/4354
- CYW43569/43570
- CYW4359D0/89459/5459x
- CYW4373
- CYW4349B1/4359B1/89359
- CYW43012
- CYW5557x/89570
- CYW55500 product family

3 Known issues/limitations

The following table lists known limitations of AIROC™ Bluetooth® test and debug tool.

Limitation description	Workaround
On Windows 11, communication with BTWUSB devices (e.g., CYW4373) does not work when memory integrity is turned on.	Turn off memory integrity and assign the BTWUSB driver to the connected device. To turn off memory integrity: 1. Click the Windows **Start** button. 2. Type **windows security** and select the option from the search results. 3. Select **Device security**. 4. Select **Core isolation**. 5. Turn off the **Memory integrity** setting. 6. Reboot the computer. To assign the BTWUSB driver to the connected device: 1. Click the Windows **Start** button. 2. Type **device manager** and select it from the results. 3. Locate the connected device which is often found under **Other devices**. 4. Select **Properties** from the context menu. 5. Click **Update driver**. 6. Click **Browse my computer for drivers**. 7. Navigate to the tool installation folder and select the *drivers* subfolder. 8. Select **Next**.

4 Revision history

Revision	Date	Description
**	2021-08-20	New document
*A	2022-09-30	Renamed the tool and updated to version 1.1.0.
*B	2023-04-14	Updated to version 1.2.0.
*C	2023-09-25	Updated to version 1.3.0.
*D	2023-01-19	Updated to version 1.4.0.
*E	2024-07-03	Updated to version 1.4.1.
*F	2024-10-29	Updated to version 1.4.2.

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