Microchip-Logo with R.emf**IS208x Config GUI Tool**

**Release Note**

**Table of Contents**

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Config Tool Version: v1.3.25/DSP Tool Version: v6.2

* Release date: Apr. 6th, 2022
* SVN change Set: [1779]
* Hardware compatibility: IS208x

Changes

* N/A

Bugs Fixed

* **[UI Tool]** WSGA-13153 AES is disabled after reloading a hex with AES enabled DSP tool.

Enhancements & New Features

* N/A

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.24/DSP Tool Version: v6.1

* Release date: Mar. 15th, 2022
* SVN change Set: [1779]
* Hardware compatibility: IS208x

Changes

* N/A

Bugs Fixed

* **[UI Tool]** WSGA-13153 AES is disabled after reloading a hex with AES enabled DSP tool.

Enhancements & New Features

* N/A

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
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* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
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* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.23/DSP Tool Version: v6.1

* Release date: Jul. 28th, 2021
* SVN change Set: [1640]
* Hardware compatibility: IS208x

Changes

* N/A

Bugs Fixed

* Fix some parameter will be changed back to default value when press the reset button on DSP tool.

Enhancements & New Features

* N/A

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

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* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
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* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.22/DSP Tool Version: v6.1

* Release date: Jun. 23th, 2021
* SVN change Set: [1600]
* Hardware compatibility: IS208x

Changes

* **[UI Tool]** BTAS-1882 Support AMIC only, if both DSP CODEC and the MIC loopback are enabled.

Bugs Fixed

* N/A

Enhancements & New Features

* **[UI Tool]** Update parameter information for line in sampling rate.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.21/DSP Tool Version: v6.1

* Release date: Jun. 18th, 2021
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* **[UI Tool]** change line-in sampling rate option item (0x00:8K ->0x00:16K, 0x01: 16K ->0x01: 8K).

Bugs Fixed

* N/A

Enhancements & New Features

* **[UI Tool]** add more fool-proof for audio effect setting.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.20/DSP Tool Version: v6.0

* Release date: Jun. 11th, 2021
* SVN change Set: [1584]
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs Fixed

* N/A

Enhancements & New Features

* **[UI Tool]** Update parameter information for DSP related setting.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.19/DSP Tool Version: v6.0

* Release date: Jun. 8th, 2021
* SVN change Set: [1570]
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs Fixed

* N/A

Enhancements & New Features

* **[UI Tool]** Support to import .HEX file.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after **audio streaming setup.**
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.18/DSP Tool Version: v6.0

* Release date: May. 21th, 2021
* SVN change Set: [1570]
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs Fixed

* **[UI Tool]** Fix tool crash issue when the name fragment is over 50 bytes.
* **[UI Tool]** BTAS-1864/1872 Cannot save "Disable All Voice Function" status
* **[UI Tool]** BTAS-1866 cannot save speaker gain level.

Enhancements & New Features

* **[UI Tool]** BTAS-1877 update parameter description and GUI display improvement.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.17/DSP Tool Version: v6.0

* Release date: May. 11th, 2021
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* **[UI Tool]** Change default value of “Auto Unsniff in Data Transmission” (default disable).

Bugs Fixed

* N/A

Enhancements & New Features

* **[UI Tool]** Create “Line-in Sampling Rate “in CODEC setup tab.
* **[DSP Tool]** Adjust I2S table by which sampling rate is selected.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.16/DSP Tool Version: v5.9

* Release date: Mar. 19th, 2021
* SVN change Set: [1556]
* Hardware compatibility: IS208x

Changes

* **N/A**.

Bugs Fixed

* **N/A**

Enhancements & New Features

* **[UI Tool]** add description for Output volume Scaling Method in CODEC tab.
* **[UI Tool]** Extend the limitation of line in latency from 240 to 480.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.15/DSP Tool Version: v5.9

* Release date: Mar. 15th, 2021
* SVN change Set: [1549]
* Hardware compatibility: IS208x

Changes

* **N/A**.

Bugs Fixed

* **[UI Tool]** btas-1866 update the gain level value correctly when reload the hex file.
* **[UI Tool]** btas-1864 update "disable all voice function" value correctly when reload the hex file.

Enhancements & New Features

* **[UI Tool]** create new option for Output volume Scaling Method in CODEC tab.
* **[UI Tool]** create I2S gain table for user to configure I2S gain in DSP setup tab.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
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* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.14/DSP Tool Version: v5.9

* Release date: Mar. 17th, 2021
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* **[DSP Tool]** BTAS-1843 Modify the default values of silence suppression and move this page from hidden to customer version.

Bugs Fixed

* **[DSP Tool]** BTAS-1851 modify the function of updateMCLK() and check the MCLK status by I2S\_DSP\_CFG\_KEY\_I2S\_PARA[4].

Enhancements & New Features

* **[UI Tool]** create new option for product plan UID.
* **[UI Tool]** create new option to enable BT linkback in aux in CSB mode .

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
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* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.13/DSP Tool Version: v5.8

* Release date: Feb. 17tt, 2021
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* **[DSP Tool]** BTAS-1853 remove fool-proof of DAC selection in I2S PCM page.

Bugs Fixed

* **[DSP Tool]** BTAS-1851 modify the function of updateMCLK() and check the MCLK status by I2S\_DSP\_CFG\_KEY\_I2S\_PARA[4].

Enhancements & New Features

* **[UI Tool]** BTAS-1801 Export the setting text file for user to check the parameter setting without load the hex file.
* **[UI Tool]** support load the dump hex file which is dump from isUpdate tool.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
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* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.12/DSP Tool Version: v5.7

* Release date: Dec. 1st, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* **[DSP Tool]** remove fool-proof of Loopback ADC and MIC ADC.

Enhancements & New Features

* **[UI Tool]** Reverse the display of transparent UUID in BLE tab.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
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* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
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* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.11/DSP Tool Version: v5.6

* Release date: Nov. 27th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* **[DSP Tool]** BTAS-1790/BTAS-1776 add more fool-proof for I2S to avoid the no sound issue.

Enhancements & New Features

* **N/A**.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.10/DSP Tool Version: v5.5

* Release date: Nov. 20th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* **[UI Tool]** Fix the config Tool not saving BLE advertising name correctly.
* **[DSP Tool]** BTAS-1790/BTAS-1776 correct the i2s table.

Enhancements & New Features

* **[UI Tool]** Create new option for “Disable Link Back When Remoto No Link Key “in sys setup2 tab.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.09/DSP Tool Version: v5.4

* Release date: Nov. 10th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* Move NE MIC Digital Gain option from hidden tab to voice MIC tab.
* Move FE Digital Gain option from hidden tab to voice MIC tab.
* Move WNG Enable/Disable option from hidden tab to voice MIC tab.

Bugs fixed

* Disable NR related setting if the NR is disabled in UI tool.
* Display the Eq mode state properly.

Enhancements & New Features

* **[UI Tool]** Create check box in DSP setup tab to disable and gray out all voice function.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.08/DSP Tool Version: v5.3

* Release date: Sep. 23th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* Add fool-proof for vendor data.

Bugs fixed

* N/A

Enhancements & New Features

* N/A.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.07/DSP Tool Version: v5.3

* Release date: Sep. 16th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A

Enhancements & New Features

* **[UI Tool]** Create text box for vendor data in sys. setup1.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.06/DSP Tool Version: v5.3

* Release date: Sep. 16th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* **[UI Tool]** BTAS-1771 - Extend the number of voice prompt tone and multi tone to 0x3F.

Enhancements & New Features

* N/A

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.05/DSP Tool Version: v5.3

* Release date: Sep. 16th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* **[DSP Tool]** BTAS-1776 - In the Mix mode, the I2S input no sound

Enhancements & New Features

* N/A

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.

**[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset**.**

Config Tool Version: v1.3.04/DSP Tool Version: v5.2

* Release date: Sep. 10th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* **[UI Tool]** update the description of “Phone Provide NR and EC Function”option.

Bugs fixed

* N/A

Enhancements & New Features

* N/A

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset**.**

Config Tool Version: v1.3.03/DSP Tool Version: v5.2

* Release date: Aug. 26th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* **[DSP Tool]** Remove Line in ADC Gain from DSP tool.

Bugs fixed

* N/A

Enhancements & New Features

* **[UI Tool]** Create new option to set the line in ADC gain level.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.01/DSP Tool Version: v5.1

* Release date: Aug. 18th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A

Enhancements & New Features

* **[UI Tool]** Add more MMI event item for button setting in call idle state.
* **[UI Tool]** Create new option to ask phone disable NREC.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.3.00/DSP Tool Version: v5.1

* Release date: Aug. 13th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* **[DSP Tool]** BTAS-1735 - During audio mixing there will be individual gain blocks for A2DP decoder and aux-in, so the customer can select volume level before mixing.
* **[DSP Tool]** BTAS-1738 - Add internal codec parameters to DSP Config Tool.

Enhancements & New Features

* **[UI Tool]** Add more item for class of device.
* **[UI Tool]** Create new option for A2DP mix line-in in CODEC setup tab.
* **[UI Tool]** Create new option to enable Mic input as line-in in CODEC setup tab.
* **[UI Tool]** Create text box for MSPK GAC and DAC grouping interval in MSPK setup tab.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.2.26/DSP Tool Version: v5.0

* Release date: Aug. 10th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* **[DSP Tool]** BTAS-1731-Enable I2S slave with MCLK in DSP Tool (with I2S help button string update).
* **[DSP Tool]** WSGBCT-38- After changed some setting and saved, Config. Tool cannot load again.

Enhancements & New Features

* N/A.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
* **[DSP Tool]** No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Config Tool Version: v1.2.25/DSP Tool Version: v4.8

* Release date: May. 26th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* **[DSP Tool]** BTAS-1626 [Audio Transceiver] - DSP UI Tool - Cannot select "Analog-In / Analog-Out" for Rx mode.
* **[DSP Tool]** BTAS-1676 Because of wrong I2S parameter tables, AAC/A2DP playback music become slow when BM83 on the Master mode and without MCLK (Disable audio SRC).

Enhancements & New Features

* **[UI Tool]** Update the parameter name and description.

Known Bugs & Limitations

* **[DSP Tool]** No hex file save option in dynamic mode after tuning over the air.
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Note

* **[DSP Tool]** Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* **[DSP Tool]** Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* **[DSP Tool]** In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.24

* Release date: May. 7th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* N/A

Enhancements & New Features

* Update the parameter name and description.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.23

* Release date: May. 6th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* N/A

Enhancements & New Features

* Update the parameter name and description.
* Changed MCLK description from "Enable MCLK for STCodec" as "Enable MCLK if Required by Codec".
* Update the UI help in Amp control setting

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.22

* Release date: May. 5th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* N/A

Enhancements & New Features

* Update the parameter name and description.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.21

* Release date: May. 4th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* BTAS-1650 Remove the fool-proof of voice SRC
* BTAS-1558 Can FW support I2S-input for call & analog audio input for music playback together?
* Sorted out MCLK checkbox load back failure issue

Enhancements & New Features

* N/A

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.20

* Release date: Apr. 24th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* BTAS-1620 add more description for GPIO setting
* BTAS-1621 update the description of “Auto power off”
* BTAS-1626 [Audio Transceiver] - DSP UI Tool - Cannot select "Analog-In / Analog-Out" for Rx mode

Enhancements & New Features

* Add config tool version in hex file header.
* Disable “Quick Connection” will be auto disabled if it is in host MCU mode.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.19

* Release date: Apr. 17th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* Removed SSP and pin code in config tool.

Bugs fixed

* BTAS-1615 Reverse polarity option gets wrongly saved in the UI tool

Enhancements & New Features

* N/A.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.18

* Release date: Apr. 9th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A.

Enhancements & New Features

* Update the header file and default ini file.
* BTAS-1597 If Link Application is "Single LInk", then "Dual Streaming Enable" option will be "Disabled" and edit disallowed.
* BTAS-1558 Can FW support I2S-input for call & analog audio input for music playback together.
* BTAS-1562 Disable Voice SRC when the setting of DAC selection is embedded DAC in DSP GUI Tool
* Fix the TX power will be enabled in scan response data when the target is GFPS.
* Hide the MSPK setting tab and iAP setting tab when the Target is AT, others targets will hide TX mode IO setting tab and AT setting tab.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.17

* Release date: Mar. 27th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A.

Enhancements & New Features

* Update the header file.
* Create new tab for audio transmitter setting.
* Fix the issue when in host mode the power on type will be empty.
* Add more fool-proof for audio transmitter project.
* Add config option for App Mode GPIO and Audio Input Source Select GPIO in main page.
* Auto enable the GFPS feature when the target is MSPKv2\_GFP.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.16

* Release date: Mar. 20th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A.

Enhancements & New Features

* Add new option to force role switch to be BT slave.
* Update the header file.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.15

* Release date: Mar. 12th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A.

Enhancements & New Features

* Add new tab for the Button Setup Tx Mode.
* Update the header file.
* Updeat the default ini file.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.14

* Release date: Mar. 6th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A.

Enhancements & New Features

* Add new options for AT project.
* Update the header file

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.13(MSPK2)

* Release date: Mar. 5th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A.

Enhancements & New Features

* Add new target for AT project.
* Create an option to enable VP tone in MSPK slave.
* Create an option to enable battery notification when GFPS enabled.
* BTAS-1399 Add an internal config ID to let UI tool to identify the Project and Target build.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.12(MSPK2)

* Release date: Feb. 27th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A.

Enhancements & New Features

* Update the default value of BT\_CFG\_KEY\_GFPS\_MODELID and BT\_CFG\_KEY\_GFPS\_PRIVATE\_KEY.
* Add project selection in main page for user to select the target. (the target info will get from header file.
* Updated the parameter discerption.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.
* ***Note***
* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.11(MSPK2)

* Release date: Feb. 21th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* BTAS-1359 Support high/low DSP MIPS settings in Config UI Tool due to the feasibility of 98.3MHz DSP clock. Updated the new set of I2S parameter values.

Enhancements & New Features

* Add new option to enable “Auto Role Switch to BT Master.
* Add new option to enable “Role Switch in Link Policy.
* Get the GUI name and parameter description from header file.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.10(MSPK2)

* Release date: Jan. 17th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* BTAS-1210 Remove the workaround of charging current.

Enhancements & New Features

* Add new option to enable “Audio Seamless Resync”.
* Add new option to enable “Concert Mode Master SPK Endless Grouping”.
* Add new option to config “Power Saving Grouping Interval”

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.

In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.09(MSPK2)

* Release date: Jan. 17th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* Change the default setting of Bit4 : ENABLE\_AAC\_IN\_CSB of MSPK\_CFG\_KEY\_MSPK\_OPTION2 from 0 to 1

Bugs fixed

* BTAS-1359 Support high/low DSP MIPS settings in Config UI Tool due to the feasibility of 98.3MHz DSP clock.
* BTAS-1308 BM83 I2S input + analog output.
* BTAS-1334 98 MHz DSP clock support.

Enhancements & New Features

* disabling of I2S page when Internal codec will be selected in MCU tool in static mode.
* Not allowing to select embedded ADC and embedded DAC at a time in I2S page.
* Add new option for Save Connected Role.
* Add check box in both ADV and SCAN section to enable customized ADV local name function.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.

In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.08(MSPK2)

* Release date: Jan. 9th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A

Enhancements & New Features

* Import the parameter name and description from header file.

Known Bugs & Limitations

* No hex file save option in dynamic mode after tuning over the air.
* No button to going back to default setting after multiple times changing and saving parameters in static mode.

Note

* Voice function pages in dynamic tuning will be available for tuning only after voice call setup.
* Audio function pages in dynamic tuning will be available for tuning only after audio streaming setup.
* In case of BM70 dongle is not responsive, do software reset by clicking on BLE Reset button and hardware reset.

Tool Version: v1.2.07(MSPK2)

* Release date: Jan. 6th, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A

Enhancements & New Features

* Add more fool-proof for Google fast pair.

Known Bugs & Limitations

* *N/A*

Tool Version: v1.2.06(MSPK2)

* Release date: Jan. 3rd, 2020
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A

Enhancements & New Features

* Add new options for Google fast pair.
* Add new option to enable device under test mode.

Known Bugs & Limitations

* *N/A*

Tool Version: v1.2.05(MSPK2)

* Release date: Dec. 20th, 2019
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A

Enhancements & New Features

* Update the default value of GPIO module (add a new button table).

Known Bugs & Limitations

* *N/A*

Tool Version: v1.2.04(AT)

* Release date: Dec. 17th, 2019
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* N/A

Enhancements & New Features

* Added new option for “Connect Device After Discover.
* Update the key id for MSPK2 v1.2.

Known Bugs & Limitations

* *N/A*

Tool Version: v1.2.03(AT)

* Release date: Dec. 16th, 2019
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* Change the Label from “A2DP Stream Control” to “A2DP Source Stream Control (AT)”
* Change the Label from “A2DP Simple Rate” to “SBC Encoder Setting”
* Update the default value of BTN\_GPIO\_CFG\_KEY\_OPTION2 to 0x03

Bugs fixed

* N/A

Enhancements & New Features

* Merge the AT APP mode TX/RX setting in main feature tab.
* Merge the AT Audio Input Source I2S/Line-in setting in main feature tab.

Known Bugs & Limitations

* *N/A*

Tool Version: v1.2.02(AT)

* Release date: Dec. 13th, 2019
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* N/A

Enhancements & New Features

* Merged the suspend / resume options in BT\_CFG\_KEY\_AT\_OPTIONS, and created single bit option, which will control both A2DP\_STREAM\_CONTROL\_PLUG\_UNPLUG
* Added a new option CONNECT\_AFTER\_DISCOVER\_DEVICE, to enable connecting to discovered device immediately
* Added two new options for BT\_CFG\_KEY\_AT\_SBC\_SAMPLING\_RATE and BT\_CFG\_KEY\_AT\_SBC\_BITPOOL

Known Bugs & Limitations

* *N/A*

Tool Version: v1.2.01(MSPK)

* Release date: Dec. 13th, 2019
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* N/A

Enhancements & New Features

* Add a drop-down menu for enable AVRCP Browsing.

Known Bugs & Limitations

* *N/A*

Tool Version: v1.2.00(AT)

* Release date: Dec. 11th, 2019
* SVN change Set: []
* Hardware compatibility: IS208x

Changes

* N/A.

Bugs fixed

* N/A

Enhancements & New Features

* Add GPIO control for AT APP mode.
* Add GPIO control for AT audio input source.
* Add new options for inquiry setting in sys setup3 tab.
* Add new options for A2DP stream control.

Known Bugs & Limitations

* *N/A*

Tool Version: v1.1.07

* Release date: Dec. 11th, 2019
* SVN change Set: [1363]
* Hardware compatibility: IS208x

Changes

* Convert the current between real current and FW current in PMU Setup tab.

Bugs fixed

* N/A

Enhancements & New Features

* N/A

Known Bugs & Limitations

* *N/A*

Tool Version: v1.1.06

* Release date: Dec. 9th, 2019
* SVN change Set: [1361]
* Hardware compatibility: IS208x

Changes

* Change the name from “CODEC Output Type” to “CODEC Type” since it is not used to indicate only output type anymore.
* Change the default value of “Maximum Charging Voltage “from 4.0v to 4.2v.

Bugs fixed

* N/A

Enhancements & New Features

* N/A

Known Bugs & Limitations

* *N/A*

Tool Version: v1.1.05

* Release date: Oct. 30th, 2019
* SVN change Set: [1337]
* Hardware compatibility: IS208x

Changes

* Rename “Enable HCI UART” to “Enable UART”
* Remove iAP1 setting in the main feature page (BM83 support iAP2 only).

Bugs fixed

* N/A

Enhancements & New Features

* N/A

Known Bugs & Limitations

* *N/A*

Tool Version: v1.1.04

* Release date: Oct. 16th, 2019
* SVN change Set: [1332]
* Hardware compatibility: IS208x

Changes

* [[WSGA-11315](https://jira.microchip.com/browse/WSGA-11315)] Description change for Power Switch Setting

Bugs fixed

* [[BTAS-1217](https://jira.microchip.com/browse/BTAS-1217)] Correct values range of First Half Battery Voltage Monitor Counter and Second Half Battery Voltage Monitor Counter in PMU Setup.

Enhancements & New Features

* N/A

Known Bugs & Limitations

* *N/A*

Tool Version: v1.1.03

* Release date: Oct. 4th, 2019
* SVN change Set: [1328]
* Hardware compatibility: IS208x

Changes

* Disallow adding the unsupported format of voice prompt tone

Bugs fixed

* *N/A*

Enhancements & New Features

* N/A

Known Bugs & Limitations

* *N/A*

Tool Version: v1.1.02

* Release date: Oct. 3rd, 2019
* SVN change Set: [1327]
* Hardware compatibility: IS208x

Changes

* Do not add voice prompts tone type to related CSB status tones
* Allow adding the voice prompt tone exceeding the limit of 3 seconds

Bugs fixed

* *N/A*

Enhancements & New Features

* N/A

Known Bugs & Limitations

* *N/A*

Tool Version: v1.1.01

* Release date: Sep. 11st, 2019
* SVN change Set: [1322]
* Hardware compatibility: IS208x

Changes

* Naming and description of Charging Setting revised in PMU Setup

Bugs fixed

* *N/A*

Enhancements & New Features

* More friendly GUI layout and description of Charging Setting in PMU Setup

Known Bugs & Limitations

* *N/A*

Tool Version: v1.0.13

* Release date: Aug. 21st, 2019
* SVN change Set: [1313]
* Hardware compatibility: IS208x

Changes

* N/A

Bugs fixed

* [BTAS-1176] Wrong LED indication in Embedded Concert Mode in LED Setup
* [BTAS-1208] Battery indication display on iPhone

Enhancements & New Features

* N/A

Known Bugs & Limitations

* Charging Setting has to be modified and the help has to be updated.

# Introduction