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## DSPK 2.1 Release Notes

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### Version 2.1

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The following are the resolved attributes of this firmware version for specific system requirements and device settings.

1. USB Firmware upgrade
  2. GATT services
  3. Audio SRC (44.1 kHz to 48 kHz) is enabled
  4. Voice SRC (8/16 kHz to 48 kHz) is enabled
  5. Seven Native voice prompts are supported
  6. Customized voice prompt through EEPROM
  7. Voice/Tone in Stereo mode
  8. EEPROM option to disable disconnect, when entering Pairing mode
  9. iOS/Android Microchip Bluetooth Audio (MBA) App
  10. I<sup>2</sup>S can be configured in Master/Slave mode and I<sup>2</sup>S can be set to 48 kHz
  11. MTU size change notification
  12. UART commands to query local GATT service table
  13. Option to disable Bluetooth low energy advertisement at power on
  14. iAP2 support is enabled
  15. Different Bluetooth MAC address for Bluetooth low energy and Bluetooth classic
  16. Command added to query current A2DP codec (SBC/AAC/LDAC)
  17. HID Mouse demo on BM64
  18. A2DP and Bluetooth low energy can operate independently. Option made available to prevent Bluetooth low energy, when entering Pairing mode
  19. Inter-channel phase delay 7 degree in DSP signal
  20. When BM62 EVB is in Mute condition, pressing Volume down key makes audio unmute
  21. Audio can be toggled between Aux-in and Bluetooth audio
  22. Incorrect voice prompt with Slide switch “on/off” setting on BM62 EVB
  23. Unable to configure EQ Settings for Voice function
  24. Unable to transfer files using SPP between source and sink during A2DP and HFP call
  25. MMI Data is appended with headers, when host MCU is not used
  26. “Fixed Ring Tone Volume” setting is not functional
  27. SPP connection sequence is limited
- Note:** SPP connection is not established, after BLE connection. Therefore BLE connection is fine, after SPP connection.

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**Version 1.1**

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The following are the resolved attributes of this firmware version for specific system requirements and device settings.

1. Two Simultaneous A2DP Link
2. Two Simultaneous HF Link
3. Support I<sup>2</sup>S audio output (BM64)
4. Support Analog audio output
5. Support Aux-in
6. External Voice Prompt
7. Battery temperature detection for charging protection
8. Enable hardware Under Voltage Protection (UVP) after power-on
9. Bluetooth low energy enabled/disabled by UART command
10. Bluetooth low energy Auto enable in Standby mode
11. Bluetooth low energy Transparent service
12. Bluetooth low energy Service data handling by Host MCU
13. Bluetooth low energy Musical Instrument Digital Interface (MIDI)
14. UART command pass through SPP/Bluetooth low energy Transparent service (Embedded SPP)

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