

MCU Software Release Notes

Link Lin

Product: JBL 4305P

Note:

JBL_4305P_XXX.HUI

MCU package for Primary speaker firmware upgrade, including MCU bin, DSP bin. Wisa Tx FW, Wisa Tx dfs file and secondary speaker's FW package.

JBL_4305P_Secondary_XXX.HUI

MCU package for Secondary speaker upgrade, include MCU bin, DSP bin and Wisa RX FW.

Hardware configuration: PV

Software builds date: Jan 14, 2022

Milestone Status: PV

Version:

Primary:

WIFI-version: 0.100.1485

SW Phase: PV

HW Phase: PV

MCU BL : 0.0.1.4

MCU APP: 0.22.2.5

DSP : 0.10.0

WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.6

MCU APP: 0.22.2.4

DSP: 10.66.00.

WiSA RX: 208.3

Changed:

1. Update dsp version to v10
2. Down UART sample rate between Primary and Secondary to suit for longer wire cable.
3. Add temperature control process, when system over 80 C to reduce 2db output.

Note:

Because the sample rate changed between primary and secondary, if you upgrade Primary from a version before 0.22.2.5, Secondary only can be upgraded by wireless (Wisa) to the new version. But if their version are both later than 0.22.2.5, Secondary speaker can be upgraded by wire and wireless.

Hardware configuration: DV2
Software builds date: Dec 14, 2021
Milestone Status: DV2

Version:

Primary:

WIFI-version: 0.100.1473

SW Phase: DV2

HW Phase: DV2

MCU BL : 0.0.1.4

MCU APP: 0.21.53.2

DSP : 0.6.0

WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.6

MCU APP: 0.21.53.1

DSP: 06.66.00.

WiSA RX: 208.3

Fixed:

1. Fixed some bug in Network Off mode

2. JIRA bug fixed:

JBL4305P-1116

【Default Back to BT mode】 Did not default back to BT mode after reaching the specified time-out on pairing mode

JBL4305P-34

[LED] Streaming LED and NET LED are white-solid when Connected to a Wired Network

JBL4305P-1151

[Wisa] After secondary speaker enter standby mode, cannot wake up after power on primary speaker.

JBL4305P-1156

[LED] After short press reset key on primary speaker, Net icon on secondary speaker shown as Red.

JBL4305P-1157

[Wisa] After primary and secondary speaker wireless connected, power LED keep in Yellow.

JBL4305P-1160

[Wisa] Secondary speaker keep shown in Red Power icon after wisa connected.

JBL4305P-1144

[Wisa] Secondary speaker still standby when primary speaker wake up(once)

JBL4305P-1409

[Standby][Airplay] When play 0dB Airplay music for 10mins, DUT enter into standby mode

Fixed some bug in Net off mode standby

JBL4305P-1143

[Wisa] Secondary speaker emit noise.

Hardware configuration: DV2
Software builds date: Dec 14, 2021
Milestone Status: DV2

Version:

Primary:

WIFI-version: 0.100.1458

SW Phase: DV2

HW Phase: DV2

MCU BL : 0.0.1.4

MCU APP: 0.21.50.1

DSP : 0.6.0

WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.6

MCU APP: 0.21.48.2

DSP: 06.66.00.

WiSA RX: 208.3

Fixed:

1. AMP fault detected recover

Hardware configuration: DV2
Software builds date: Dec 10, 2021
Milestone Status: DV2

Version:

Primary:

WIFI-version: 0.100.1458

SW Phase: DV2

HW Phase: DV2

MCU BL : 0.0.1.4

MCU APP: 0.21.49.2

DSP : 0.6.0

WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.6

MCU APP: 0.21.48.2

DSP: 06.66.00.

WiSA RX: 208.3

Fixed:

BL4305P-1110

【USB-Audio LED】【Unmute mode】USB-Audio LED still keep RED Flashing on unmute mode
JBL4305P-1109

【Aux-in LED】 【Unmute mode】 Aux-in LED still keep RED - Flashing on unmute mode
BL4305P-1113

【Optical input LED】 【Unmute mode】 Optical input still keep RED Flashing on unmute mode
JBL4305P-1114

【Balanced input LED】 【Unmute mode】 Balanced input LED still keep RED Flashing on
unmute mode
JBL4305P-45

[XLR] During XLR playback, audio drop for 10s then resumed.

JBL4305P-1108

[BT][AP2]AP2/BT audio still streaming after switch source to BT/AP2

BL4305P-1097

[UI_LED][Mute]Mute on optical source, then unmute on other source, back to optical still
shown mute state

JBL4305P-1094

[USB] Switch to USB source, no source connected, device keep in USB mode, not enter
standby mode after idle 10 minute.

JBL4305P-162

[LED] While skip to next track in mute mode, LED change to shown as White.

JBL4305P-69

[Wisa] Secondary speaker auto disconnect and enter standby mode.

Hardware configuration: DV2
Software builds date: Dec 1, 2021
Milestone Status: DV2

Version:

Primary:

WIFI-version: 0.100.1444

SW Phase: DV2

HW Phase: DV2

MCU BL : 0.0.1.4

MCU APP: 0.21.48.2

DSP : 0.6.0

WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.6

MCU APP: 0.21.48.2

DSP: 06.66.00.

WiSA RX: 208.3

Changed:

1. Update dsp to v06, modify delay time.

Hardware configuration: DV2

Software builds date: Nov 24, 2021

Milestone Status: DV2

Version:

Primary:

WIFI-version: 0.100.1438

SW Phase: DV2

HW Phase: DV2

MCU BL : 0.0.1.4

MCU APP: 0.21.47.3

DSP : 0.5.0

WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.6

MCU APP: 0.21.47.1

DSP: 04.66.00.

WiSA RX: 208.3

Changed:

1. Changed setting for DV2 HW

Fixed:

JBL4305P-154

[LED] During playback is muted, pause playback, LED will change to shown as white

JBL4305P-155

[Airplay][RC]Cannot Play/Pause normally on Airplay music via RC

JBL4305P-153

[iTunes][RC]Cannot Play/Pause and Previous/Next on iTunes music via RC

BL4305P-81

【Aux-in】 【Sound distortion】 when DUT is in aux mode with max volume,Sound distortion happened.

JBL4305P-77

[SUB]when pause on stream source mode connected with SUB, a Intermittent pop noise emit from secondary speaker

Hardware configuration: DV1
Software builds date: Nov 15, 2021
Milestone Status: DV1

Version:

Primary:

WIFI-version: 0.100.1412

SW Phase: DV1

HW Phase: DV1

MCU BL : 0.0.1.4

MCU APP: 0.21.45.3

DSP : 0.5.0

WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.6

MCU APP: 0.21.45.1

DSP: 04.66.00.

WiSA RX: 208.3

Changed:

1. update dsp to v05, add optical format auto detect mute

Hardware configuration: DV1
Software builds date: Nov 5, 2021
Milestone Status: DV1

Version:

Primary:

WIFI-version: 0.100.1395
SW Phase: DV1
HW Phase: DV1
MCU BL : 0.0.1.4
MCU APP: 0.21.44.4
DSP : 0.3.0
WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.6
MCU APP: 0.21.44.4
DSP: 03.66.00.
WiSA RX: 208.3

Fixed:

JBL4305P-7

[Mute] While mute or unmute audio, LED shown wrong as Solid Red.

JBL4305P-8

[Mute] While mute or unmute the playback, subwoofer emit pop noise.

JBL4305P-11

[LED] While increase volume to max then decrease, source LED keep quick flashing

JBL4305P-16

[Standby] It need start playback 2 times to wake up and join wifi playback mode

JBL4305P-20

[Wisa] After factory reset, primary power LED show yellow solid, need power cycle secondary speaker to recover.

JBL4305P-29

[Document]Short press Source Selection Rotary encoder less than 2 seconds ,turn to next source type-- USB-audio

JBL4305P-30

[power LED]Primary speaker's power LED turn Green-solid to Yellow, Secondary speaker's LED still solid with green.

JBL4305P-32

[Noise] Subwoofer emit pop noise while switch source.

JBL4305P-38

[XLR] Device wake up and enter balanced input playback mode after start playback on source 35s.

JBL4305P-34

[LED]Streaming LED and NET LED are white-solid when Connected to a Wired Network
JBL4305P-36

[LED]Streaming LED is still red-solid when Connected to a wireless Network and playing
JBL4305P-42

[Bluetooth]BT connected on source, but music play from source and BT LED white-flash on
speaker

JBL4305P-46

[XLR] Adjust volume via rotary encoder, device emit noise

Hardware configuration: DV1
Software builds date: Oct 29, 2021
Milestone Status: DV1

Version:

Primary:

WIFI-version: 0.100.1395

SW Phase: EV

HW Phase: EV

MCU BL : 0.0.1.4

MCU APP: 0.21.43.7

DSP : 0.3.0

WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.5

MCU APP: 0.21.43.5

DSP: 03.66.00.

WiSA RX: 208.3

Fixed:

1. Align Primary & Secondary audio delay.
2. Fixed pop when boot up.

Hardware configuration: DV1
Software builds date: Oct 27, 2021
Software Version: 0.2143.5
Milestone Status: DV1

Version:

Primary:

WIFI-version: 0.100.1395
SW Phase: EV
HW Phase: EV
MCU BL : 0.0.1.4
MCU APP: 0.21.43.5
DSP : 0.3.0
WISA TX : 208.3

Secondary:

MCU BL : 0.0.1.5
MCU APP: 0.21.43.5
DSP: 00.03.00.
WiSA RX: 208.3

Note:

3. Update dsp to v03
4. Update secondary ax5689 gain to same with primary

5. Update UI present

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Product: JBL 4305P

Hardware configuration: DV1

Software builds date: Sep 29, 2021

Software Version: 0.2139.2

Milestone Status: DV1

Note:

JBL_4305P_XXX.HUI

MCU package for Primary speaker firmware upgrade, including MCU bin, DSP bin. Wisa Tx FW, Wisa Tx dfs file and secondary speaker's FW package.

JBL_4305P_Secondary_XXX.HUI

MCU package for Secondary speaker upgrade, include MCU bin, DSP bin and Wisa RX FW.

JBL_4305P_bl_app_XX.srec

STM chip upgrade file, be used to burn Primary's STM32 firmware via ST-LINK

JBL_4305P_Secondary_bl_app_XX.srec

STM chip upgrade file, be used to burn Secondary's STM32 firmware via ST-LINK

Version:

Primary:

WIFI-version: 0.100.1250

SW Phase: EV

HW Phase: EV

MCU BL : 0.0.1.4

MCU APP: 0.21.39.2

DSP : 0.0.1

WISATX : 208.3

Secondary:

MCU BL : 0.0.1.5

MCU APP: 0.21.39.2

DSP: 00.00.01.

WiSA RX: 208.3

Note:

6. Build for 4305P DV1 HW.
7. Dsp change to adau1466

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Product: JBL 4305P

Hardware configuration: EV1

Software builds date: Sep 10, 2021

Software Version: 0.2136.3

Milestone Status: EV1

Note:

JBL_4305P_XXX.HUI

MCU package for Primary speaker firmware upgrade, including MCU bin, DSP bin. Wisa Tx FW, Wisa Tx dfs file and secondary speaker's FW package.

JBL_4305P_Secondary_XXX.HUI

MCU package for Secondary speaker upgrade, include MCU bin, DSP bin and Wisa RX FW.

JBL_4305P_bl_app_XX.srec

STM chip upgrade file, be used to burn Primary's STM32 firmware via ST-LINK

JBL_4305P_Secondary_bl_app_XX.srec

STM chip upgrade file, be used to burn Secondary's STM32 firmware via ST-LINK

Version:

Primary:

WIFI-version: 0.100.1250

SW Phase: EV

HW Phase: EV

MCU BL : 0.0.1.4

MCU APP: 0.21.36.3

DSP : 0.03.52

WISATX : 208.2

Secondary:

MCU BL : 0.0.1.5

MCU APP: 0.21.36.1

DSP: 03.52.00.

WiSA RX: 208.3

Note:

8. Updated dsp to v03-EV1-52.
9. Resolve several SW bugs in EE report

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Product: JBL 4305P

Hardware configuration: EV1

Software builds date: Aug, 25, 2021

Software Version: 0.2134.2

Milestone Status: EV1

Note:

JBL_4305P_XXX.HUI

MCU package for Primary speaker firmware upgrade, including MCU bin, DSP bin. Wisa Tx FW, Wisa Tx dfs file and secondary speaker's FW package.

JBL_4305P_Secondary_XXX.HUI

MCU package for Secondary speaker upgrade, include MCU bin, DSP bin and Wisa RX FW.

JBL_4305P_bl_app_XX.srec

STM chip upgrade file, be used to burn Primary's STM32 firmware via ST-LINK

JBL_4305P_Secondary_bl_app_XX.srec

STM chip upgrade file, be used to burn Secondary's STM32 firmware via ST-LINK

Version:

Primary:

WIFI-version: 0.100.1250

SW Phase: EV

HW Phase: EV

MCU BL : 0.0.1.4

MCU APP: 0.21.34.2

DSP : 0.02.52

WISATX : 208.2

Secondary:

MCU BL : 0.0.1.5

MCU APP: 0.21.34.1

DSP: 02.52.00.

WiSA RX: 208.3

Note:

10. Updated dsp to v02-EV1-52.
11. Completed wireless upgrade secondary speaker function.

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Product: JBL 4305P

Hardware configuration: EV1

Software builds date: Aug, 12, 2021

Software Version: 0.2132.3

Milestone Status: EV1

Note:

JBL_4305P_XXX.HUI

MCU package for Primary speaker firmware upgrade, including MCU bin, DSP bin. Wisa Tx FW, Wisa Tx dfs file and secondary speaker's FW package.

JBL_4305P_Secondary_XXX.HUI

MCU package for Secondary speaker upgrade, include MCU bin, DSP bin and Wisa RX FW.

JBL_4305P_bl_app_XX.srec

STM chip upgrade file, be used to burn Primary's STM32 firmware via ST-LINK

JBL_4305P_Secondary_bl_app_XX.srec

STM chip upgrade file, be used to burn Secondary's STM32 firmware via ST-LINK

Version:

Primary:

WIFI-version: 0.100.1250

SW Phase: EV

HW Phase: EV

MCU BL : 0.0.1.4

MCU APP: 0.21.32.3

DSP : 1.52.21

HDMI : 0.0.0.0

WISATX : 208.2

Secondary:

MCU BL : 0.0.1.5

MCU APP: 0.21.31.6

DSP: 01.52.D1.

Note:

12. Update dsp to v01-EV1-52-D1.

13. Improve Wisa control process. Add Bass switch function, Sub on/off auto control.

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Product: JBL 4305P

Hardware configuration: EV1

Software builds date: Aug, 6, 2021

Software Version: 0.2131.6

Milestone Status: EV1

Note:

JBL_4305P_XXX.HUI

MCU package for Primary MCU firmware upgrade, including MCU bin, DSP bin. Wisa Tx FW, Wisa Tx dfs file and secondary speaker's FW

JBL_4305P_Secondary_XXX.HUI

MCU package for Secondary speaker upgrade, include MCU bin, DSP bin and Wisa RX FW.

JBL_4305P_bl_app_XX.srec

STM chip upgrade file, Be used to burn STM32 firmware via STM32 upgrade tools.

Version:

Primary:

WIFI-version: 0.100.1208

SW Phase: EV

HW Phase: EV

MCU BL : 0.0.1.4

MCU APP: 0.21.31.6

DSP : 0.1.52

HDMI : 0.0.0.0

WISATX : 208.2

Secondary:

MCU BL : 0.0.1.5

MCU APP: 0.21.31.6

DSP: 01.52.04.

Note:

14. Update dsp to v01-EV1-52-D.

15. Finish wire upgrade function

16. Some function improve

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Product: JBL 4305P

Hardware configuration: EV1

Software builds date: July, 5, 2021

Software Version: 0.2126.3

Milestone Status: EV1

Note:

JBL_4305P_XXX.HUI

MCU package for MCU firmware upgrade, including MCU bin, DSP bin. Wisa Tx FW, Wisa Tx dfs file and secondary speaker's FW

JBL_4305P_bl_app_XX.srec

STM chip upgrade file, Be used to burn STM32 firmware via STM32 upgrade tools.

Version:

WIFI-version: 0.100.1208

SW Phase: EV

HW Phase: EV

MCU BL : 0.0.1.4

MCU APP: 0.21.26.3

DSP : 0.0.1

HDMI : 0.0.0.0

WISATX : 208.2

Note:

1. Base function ready, build for EV.

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Product: JBL 4305P

Hardware configuration: EV1

Software builds date: Jun, 22, 2021

Software Version: 0.2125.1

Milestone Status: EV1

Note:

JBL_4305P_XXX.HUI

MCU package for MCU firmware upgrade, including MCU bin, DSP bin. Wisa Tx FW, Wisa Tx dfs file and secondary speaker's FW

JBL_4305P_bl_app_XX.srec

STM chip upgrade file, Be used to burn STM32 firmware via STM32 upgrade tools.

Version:

WIFI-version : 0.100.1155

SW Phase : EV

HW Phase : EV

MCU BL : 0.0.1.4

MCU APP : 0.21.25.1

DSP : 0.0.0.3

HDMI : 0.0.0.0

Note:

1. First version for host upgrade test

