

# 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: 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

