

SKB Sound Box STB (BFX-UA300) LED Motion Guideline

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STB Indicator LED

Ver 0.5 | 2020.07.28

Revision history

Ver.	Date	Contents	Writer	Remark
0.5	2020.07.28	LED Guideline Draft	SKB 홍민선	

I. LED Definition

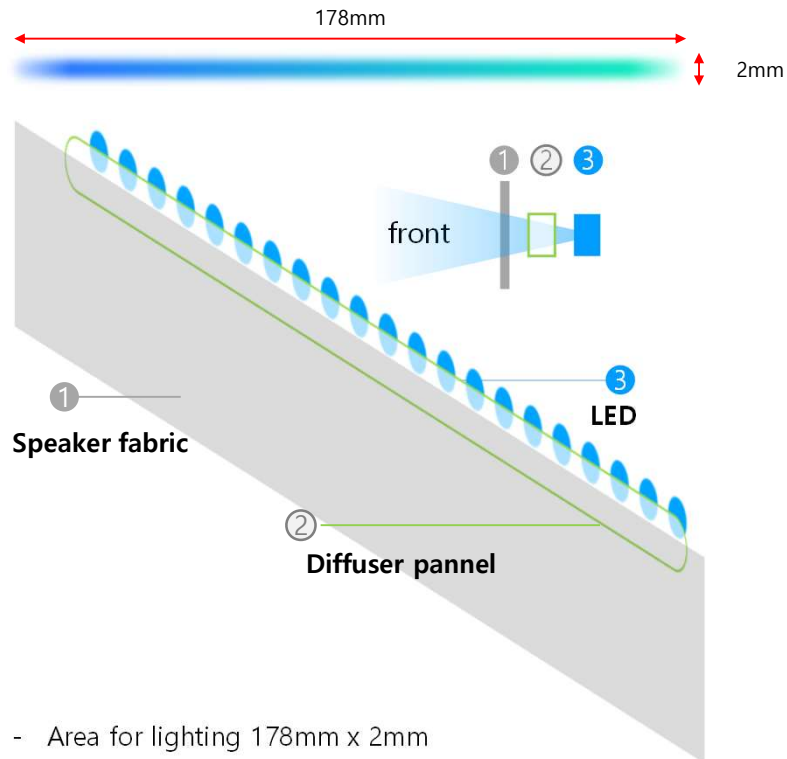
1.1 LED component definition



- 1 **B tv x NUGU FFV LED:**
It is indicate LEDs for STB Volume / NUGU Volume and NUGU Status (full color)
- 2 **Google Assistant LED:**
LED for Google Assistant(full color)
- 3 **STB Indicator LED:**
Power Status + Network status + STB Status integrated **LED** (full color)
- 4 **Sound Field Effect LED:**
It shows the mode of the sound field effect (full color)

1.2 LED Spec. definition for each components

1) B tv x NUGU FFV LED



- Area for lighting 178mm x 2mm
- RGB Color LED : 21ea LED
- Located 20mm from the top
- Motion of LED should be refered AI2 STB
- No LED spot and each LED should show smoothly connected with adjacent LEDs.
- (Refer to AI2 STB Lighting)

2) Google Assistant LED



* It should be implement as similar as possible.

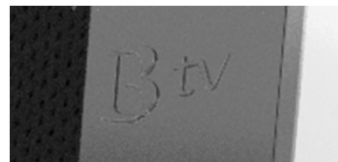
- Located 30mm from the top
 - Each diameter and space for LED is 3.5mm.
 - 4 RGB color LED
 - It should be shown 4 clear circles
 - Motion should be refered to Google Nest and Google Home device LED lights
- <https://support.google.com/googlenest/answer/7073219?hl=en>

3) STB Indicator LED



- Located 50mm from the top / diameter 3mm
- 1 RGB color LED
- It should be shown a clear circle
- Color and Motion should be refered detail guideline.

4) Sound Field effect mode LED



- Located 30mm from the top
 - Each diameter is 3.5mm / space is 3.5mm
- => Should be checked with SKB
- 2 RGB color LEDs for Left and Right side.

II. STB Indicator LED Scenario

2.1 STB Indicator LED – Interaction definition

LED Status definition	Light On	Blink	Light off
	ON	1000ms On – 500ms Off Repeat until end of condition TBD	OFF

	Situation	LED	
		STB status LED (RGBW)	Sound field effect mode LED
1	Power Off	○ Off	○ Off
2	During boot STB		
2-1	State change[STB Active Stnby → STB is in normal work]	● Blink White TBD	● Blink White
2-2	State change[STB Passive Stnby → STB is in normal work]		
3	STB is in Normal operation (include Network is normal)	● Turn on White	● Turn on White
4	Network is abnormal	● Blink Red	● Blink Red
5	Reception RCU key (STB is in normal operation)	● Blink White once	● Blink White once
6	STB Active standby mode	● Turn on Green	● Turn on Green
7	STB Passive stnby mode	● Turn on Blue	● Turn on Blue

- Sound effect mode LED

- It show same color of STB Status LED that show the status of STB,
- It show special color when sound effect mode change or sound effect mode feature works.

(TBD) Blue color value will be tuned later,
Sound field effect mode color and scenario will be tuned later.

2.1 STB Indicator LED – Interaction color

구분	System color	Usage
1	White R:255 G:255 B:255	Normal/Booting/reception RCU input
2	Green R:7 G:233 B:189	Active Standby
3	(TBD) It will be tuned to Dongle STB	Passive Standby
4	Red R:255 G:0 B:0	Abnormal Network status

Thank you