

B-series Soundbar HW-B650F 3.1 ch Subwoofer (2025)

Elevate your experience with 3D surround sound and built-in centre speaker



Top Features

3.1 Ch sound	Complete 3.1 Ch surround sound system with built-in center speaker that delivers dialogues more clearly by enhancing human voice. <sup>1</sup>
Q-Symphony	Unlock a new level of surround sound by pairing your compatible Samsung TV and soundbar, for a sound experience orchestrated in harmony. Upgraded Q-Symphony provides the ultimate sound synergy, with AI-optimised audio flowing through all channels. <sup>2</sup>
Dolby Audio / DTS Virtual:X	Immerse yourself in Dolby Digital & DTS Virtual: X. Experience 3D sound without the need of additional speakers. <sup>3</sup>
Adaptive Sound	Adaptive Sound technology analyses audio and provides an optimised listening experience for each scene, helping you to hear crystal clear sound, no matter what you're watching. <sup>4</sup>

<sup>1</sup> Sound quality will vary depending on environmental characteristics (including ceiling) and source content.  
<sup>2</sup> Samsung Q-Symphony is compatible with all 2022-2025 Samsung TVs (excluding The Serif & The Sero). Sound effects may vary depending on environmental characteristics (including ceiling). Compared to 2024 Q-Symphony.  
<sup>3</sup> Source content must be Dolby Digital® or DTS:X enabled for Dolby Digital® or DTS:X playback. Sound effect may vary depending on environmental characteristics (including ceiling).  
<sup>4</sup> Sound quality will vary depending on source content.

Product	Product Category	
	Model Number	HW-B650F/XY
General Feature	Number of Channel	3.1
	Number of Speaker	4
	Colour	Black
Speaker	Center Speaker	Yes
	Wireless Subwoofer Included	Yes
	Wireless Rear Speaker Included	No
Audio Feature	Dolby	Dolby 5.1ch
	Voice Enhance Mode	Yes
	Night Mode	Yes
	SpaceFit Sound Pro	No
	Sound Modes	Bass Boost, Surround Sound Expansion, Game, Adaptive Sound, DTS
	LPCM	Virtual:X, Standard 2ch
Video Feature	4K Video Pass	No
	HDR	No
Decoding Format	Decoding Format	MP3,AAC,OGG,FLAC,WAV,AIFF

Connectivity

HDMI In	1
HDMI Out	1
HDMI ARC	Yes
HDMI CEC	Yes
Optical In	1
Bluetooth	Yes
Bluetooth Version	4.2
Wi-Fi	No
USB Music Playback	Yes
One Remote Control	Yes

Special Feature

Q-Symphony	Yes
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Dimension

Main Unit Size (mm) (WxHxD)	860.0 x 59.4 x 75.0 mm
Net Dimension (Wireless Module) (WxHxD)	N/A
Rear Speaker Size (mm) (WxHxD)	N/A
Subwoofer Size (mm) (WxHxD)	184.0 x 343.0 x 295.0 mm
Package Size (mm)	925.0 x 445.0 x 235.0 mm

Weight

Main Unit Weight (kg)	2.2 kg
Net Weight (Wireless Module)	N/A
Rear Speaker Weight (kg)	N/A
Subwoofer Weight (kg)	5.0 kg
Set Weight (kg)	10.2 kg

Power	Main Power Consumption (Standby) (W)	0.5W W
	Rear Power Consumption (Standby) (W)	N/A
	Stand-by Power Consumption (Subwoofer)	0.5W W
	Main Power Consumption (Operating) (W)	24W W
	Rear Power Consumption (Operating) (W)	N/A
	Subwoofer Power Consumption (Operating) (W)	48W W
	Free Voltage	Yes
	Energy Star	No
Accessory	Remote Controller	Yes
	Wall Mount Bracket	Yes