

SMART CONFERENCING SPEAKERPHONE

Smart Conferencing Speakerphone

Technical reference for the BR-SP360 — a new-generation speakerphone with four high-SNR beamforming microphones and two extension microphones, AI echo cancellation and noise reduction, and a professional sound chamber, covering large conferencing rooms.

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01 · SPEAKERPHONE

Smart Conferencing Speakerphone

New-generation speakerphone with a 4+2 beamforming microphone array, two extension mics and AI echo cancellation.

The BR-SP360 pairs four high-SNR beamforming microphones with two extension microphones to cover large rooms, while new-generation AI (CrossNet) delivers echo cancellation and noise reduction for clear, full-duplex calls. A professional sound chamber with matched tweeter and bass units gives it hi-fi desktop audio in an aluminium body.



MIC ARRAY	PICKUP	SPEAKER	NOISE CUT
4+2 MEMS	360° omni	15 W	90 dB

HEADLINE CAPABILITIES

- 4+2 MEMS beamforming array
- AI CrossNet echo cancellation
- Hi-fi tweeter + bass sound chamber
- 360° pickup — main 3 m + ext 2 m
- AI noise reduction up to 90 dB
- USB-C plug-and-play, aluminium body

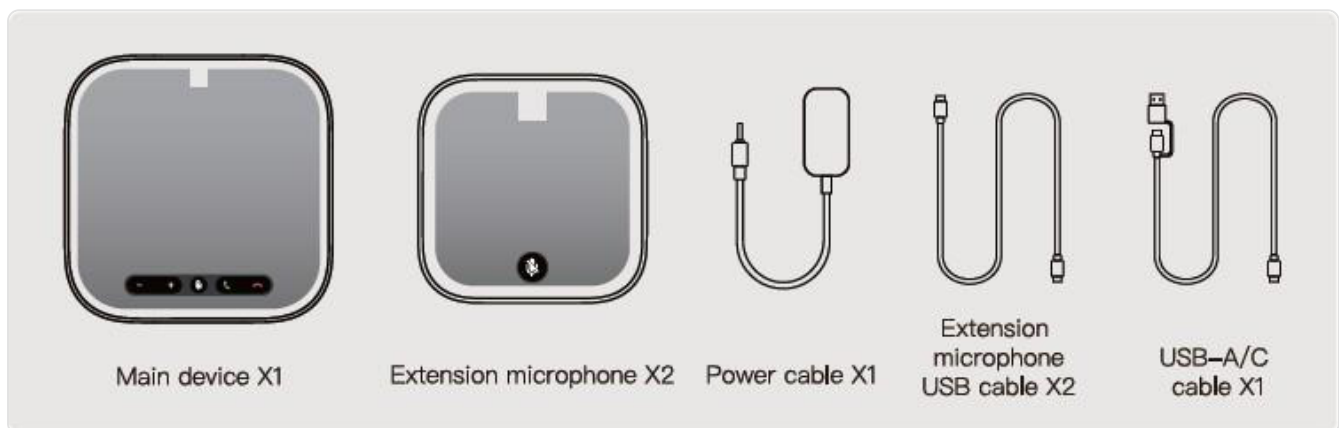
01.1 Features

BUILD · AUDIO · AI

- All-aluminium alloy body in metallic silver — highly textured, for meeting rooms and offices.
- 4+2 digital array microphone — four high-SNR omnidirectional arrays locate the speaker; beamforming + AI for high-quality audio, plus two extension mics for large rooms.
- New-generation AI echo cancellation — traditional signal processing plus a deep-learning network (CrossNet) for echo cancellation and noise reduction with clear speech.
- New-generation AI noise reduction — multi-mic extraction with self-positioning shields keyboard, mouse, tapping, fan and AC noise; full-duplex dual-talk.
- Professional sound-chamber design — hi-fi acoustics with matched tweeter and bass units; thick bass and clear, natural voice.
- USB plug-and-play, hidden cables — standard USB 2.0, Type-A/C compatible, works with mainstream conferencing software.

01.2 In the Box

MAIN + 2 EXTENSION MICS

**01.3 Sound Chamber**

EXPLODED VIEW



02.1 Microphone

ARRAY · PICKUP

Microphone type	High-SNR digital silicon microphone
Microphone array	Built-in six (4+2) MEMS microphones
Microphone range	360° omnidirectional pickup
Polar distance	Main microphone 3 m; extended microphone 2 m
Sampling rate	32 kHz HD broadband audio
Effective frequency	50 Hz – 16 kHz
Signal-to-noise ratio	94 dB SPL @ 1 kHz, 68 dB(A)
Sensitivity	94 dB SPL @ 1 kHz, -35 dBFS

02.2 Speaker

OUTPUT · RANGE

Speaker type	High-frequency ×1 + low-frequency ×1
Rated output power	15 W
Effective frequency range	50 Hz – 22 kHz
Volume	89 dBA @ 1 m
THD	< 3%

03.1

Audio

PROCESSING

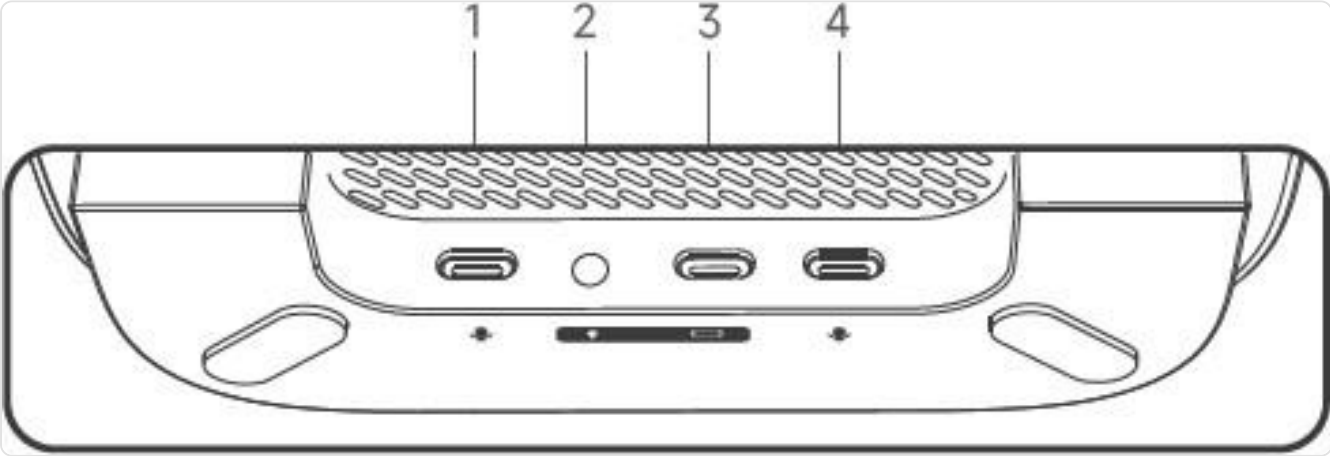
Noise suppression	AI reduction of stationary and non-stationary noise; up to 90 dB background suppression
Full-duplex	Full-duplex voice
Echo cancellation	AI algorithm
Gain control	Intelligent gain adjustment within 10 m for clear pickup
Reverberation suppression	AI algorithm

03.2

Hardware Interface

POWER · USB · CONTROL

Power supply	DC 12 V / 2 A external; operating 50 / 60 Hz
Supported systems	Windows / Mac / Android / Linux
USB interface	USB Type-C 2.0 ×3 (PC ×1, external mic ×2)
Pilot lamp	Circular multi-colour indicator strip for working status
Key	Tap buttons — volume +, volume –, mute, hang up, dial



Main-device rear — extended-microphone ports, power and USB Type-C.

03.3

Generic Specifications

PHYSICAL · ENVIRONMENTAL

Main microphone	150 (L) × 150 (W) × 89 (H) mm
Extended microphone	80 (L) × 80 (W) × 25 (H) mm
Package dimensions	297 × 248 × 125 mm
Weight	Main 1.23 kg; extended 0.13 kg × 2

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DOCUMENT

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