

PRODUCT DATASHEET

BC-1115C

120W PA Mixing Amplifier

3 MIC | 3 AUX | USB/SD MP3 | FM Tuner | 100V / 70V / 4–16Ω

The BC-1115C is a 120W professional PA mixing amplifier combining three microphone inputs, three auxiliary inputs, a built-in USB/SD MP3 player, and FM tuner in a single 2U rack-mount chassis. With 100V/70V constant-voltage and 4–16Ω low-impedance outputs, it provides flexible speaker line connectivity for small-to-medium PA systems in offices, retail, schools, and hospitality venues — without the need for additional media players or source equipment.



120W RATED OUTPUT	3+3 MIC + AUX	100V CONSTANT VOLTAGE	USB MP3 PLAYER	FM TUNER BUILT-IN	±10dB BASS/TREBLE EQ	2U RACK MOUNT
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KEY FEATURES

- ✓ **3 MIC Inputs with Priority** — Three independent microphone channels with individual volume control; MIC1 supports priority paging override for emergency announcements
- ✓ **3 AUX Inputs** — Three auxiliary line inputs for CD players, streaming devices, or secondary sources; each with independent level control
- ✓ **Built-in USB/SD MP3 Player** — Front-panel USB and SD/MMC card slot with LED display for direct MP3 playback — no external media player required
- ✓ **FM Tuner** — Integrated FM radio tuner with digital display for background music from broadcast sources
- ✓ **100V / 70V / 4–16Ω Output** — Dual constant-voltage outputs (100V and 70V) plus low-impedance output for maximum installation flexibility
- ✓ **Bass & Treble EQ** — Independent bass (±10dB) and treble (±10dB) tone controls for room-optimised sound tuning
- ✓ **Full Protection Circuit** — Built-in short-circuit, overload, and over-temperature protection ensure reliable long-term operation

INSTALLATION NOTES

- ▶ Fits standard 19-inch rack; 2U height; two rack-ear brackets included
- ▶ Connect 100V/70V speaker lines to rear output terminals; observe polarity
- ▶ MIC1 jack is priority input — connect emergency mic or paging console here
- ▶ Line output on rear panel can drive a secondary amplifier for zone expansion
- ▶ Ensure total speaker load does not exceed 120W on the 100V/70V line

TECHNICAL SPECIFICATIONS

MODEL	BC-1115C	RATED OUTPUT POWER	120W
OUTPUT MODE	100V / 70V / 4–16Ω	FREQUENCY RESPONSE	80Hz – 16KHz
THD	≤0.5% @ 1KHz	SNR	>70dB
MIC INPUTS	3× (XLR/6.35mm, individual vol.)	AUX INPUTS	3× RCA stereo line inputs
USB / SD-MMC	Front-panel USB & SD/MMC card	MP3 FORMATS	MP3, WMA
FM TUNER	Built-in, digital display	BASS / TREBLE EQ	±10dB / ±10dB
MIC1 PRIORITY	Yes — overrides all other inputs	LINE OUTPUT	1× RCA for zone expansion
INPUT POWER	AC 220V / 50Hz	POWER CONSUMPTION	180W
OPERATING TEMPERATURE	-10°C to +50°C	OPERATING HUMIDITY	10% – 90% RH
RACK FORMAT	2U, 19-inch standard	DIMENSIONS (W×D×H)	482 × 360 × 90 mm
WEIGHT	7.5 kg	CERTIFICATIONS	CE, 3C, ISO 9001
WARRANTY	24 Months		

ALL-IN-ONE SOURCE UNIT

Built-in USB/SD MP3 player and FM tuner eliminate the need for separate media sources. Play background music directly from a USB drive or SD card.

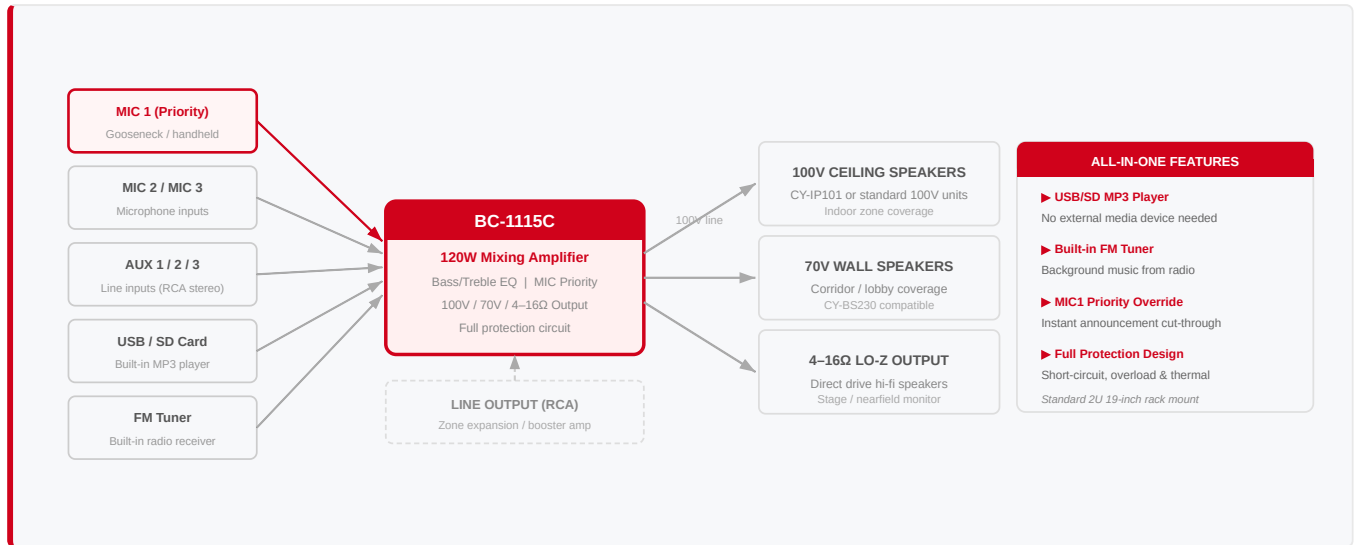
FLEXIBLE SPEAKER OUTPUT

Supports 100V and 70V constant-voltage speaker lines as well as 4–16Ω low-impedance loads — compatible with virtually any PA speaker configuration.

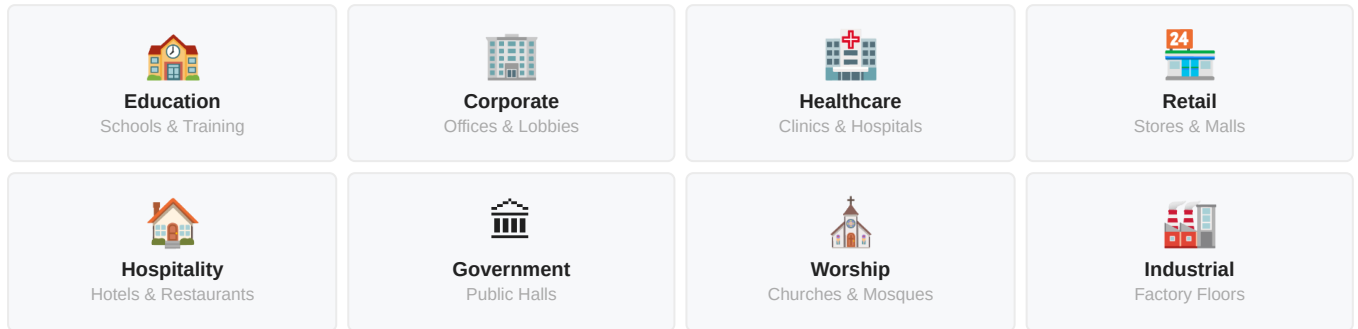
MIC1 PRIORITY OVERRIDE

MIC1 automatically overrides all background audio when activated. Ideal for emergency announcements, paging, and duty calls across all connected zones.

SIGNAL FLOW ARCHITECTURE



TYPICAL APPLICATION SCENARIOS



WHY C-YARK

10+ YEARS IN PA	CE CERTIFIED	ISO 9001 QUALITY	3C COMPLIANT
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ORDERING INFO

BC-1115C — 120W Mixing Amplifier
Includes: rack-ear brackets, power cable
Format: 2U 19-inch rack-mount
Colour: Black brushed panel

COMPATIBLE WITH

CY-IP101 IP Ceiling Speakers
CY-BS230 IP Outdoor Column Speakers
Standard 100V / 70V PA speakers
Any 4-16Ω passive speakers
External paging microphones

NOTES

Specifications subject to change without prior notice.
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MANUFACTURER

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LOCATION

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