

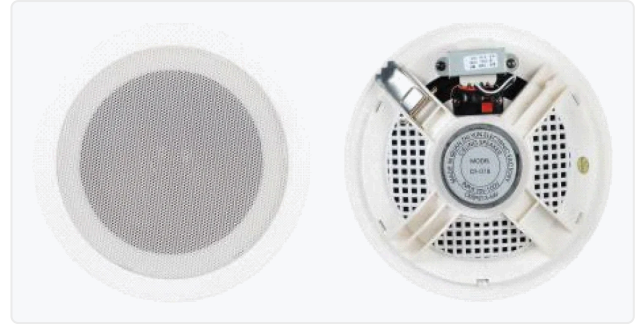
PRODUCT DATASHEET

CF-015

Flush-Mount 100V Ceiling Speaker

6W / 3W / 1.5W | 100V / 70V / 8Ω | IP4X Dustproof | Spring-Clip Mount

The CF-015 is a full-range flush-mount ceiling speaker designed for professional PA and background music systems. With a built-in 100V/70V transformer offering three selectable power taps (6W, 3W, 1.5W) and an 8Ω direct connection option, it integrates seamlessly into any constant-voltage speaker line. Its IP4X dustproof rating, spring-clip tool-free installation, and clean white finish make it the ideal choice for commercial interiors.



6W MAX POWER	3 POWER TAPS	100V CONSTANT VOLTAGE	IP4X DUSTPROOF	130° COVERAGE	≥88dB SENSITIVITY	148mm CUTOUT
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KEY FEATURES

- ✓ **100V / 70V Transformer Built-in** — Three selectable power taps (6W, 3W, 1.5W) for precise volume zoning across 100V/70V PA systems without external transformers
- ✓ **8Ω Low-Impedance Option** — Direct 8Ω connection bypasses the transformer for use with standard hi-fi or low-impedance amplifier outputs
- ✓ **IP4X Dustproof Rating** — Protected against dust ingress in all directions — suitable for commercial environments including offices, corridors, and food-service areas
- ✓ **Spring-Clip Tool-Free Install** — Rear spring-clip mechanism locks into any standard ceiling cutout from below — no access above the ceiling required
- ✓ **Wide-Dispersion Full-Range Driver** — 5-inch full-range cone driver delivers even 130° coverage — minimising the number of units needed per zone
- ✓ **Paintable White Grille** — Removable white metal grille can be painted to match any ceiling finish for discreet, aesthetically clean installations

INSTALLATION NOTES

- ▶ Ceiling cutout: Φ148mm; overall diameter Φ198mm; mounting depth 70mm
- ▶ Select power tap (6W / 3W / 1.5W) on rear transformer before installation
- ▶ Wire in parallel along 100V constant-voltage speaker line — polarity must be observed
- ▶ Total speaker load must not exceed amplifier rated output — leave 20% headroom
- ▶ Grille is removable and paintable — paint before installation for cleanest finish

TECHNICAL SPECIFICATIONS

MODEL	CF-015	DRIVER SIZE	5" (130mm) full-range
POWER TAPS	6W / 3W / 1.5W (100V line)	RATED IMPEDANCE	8Ω (direct)
FREQUENCY RESPONSE	80Hz – 18KHz	SENSITIVITY	≥88dB (1W/1m)
COVERAGE ANGLE	130° conical	MAX SPL	~103dB (6W, 1m)
INPUT VOLTAGE	100V / 70V constant voltage	TRANSFORMER	Built-in, 3-tap selector
DUSTPROOF RATING	IP4X	HOUSING MATERIAL	ABS plastic
GRILLE MATERIAL	Metal mesh (white)	GRILLE FINISH	Paintable white powder coat
MOUNTING TYPE	Spring-clip, flush ceiling	CEILING THICKNESS	5 – 35mm
CUTOUT DIAMETER	Φ 148mm	OVERALL DIAMETER	Φ 198mm
MOUNTING DEPTH	70mm	WEIGHT	0.55 kg
CERTIFICATIONS	CE, 3C, ISO 9001	WARRANTY	24 Months

3-TAP POWER FLEXIBILITY

Switch between 6W, 3W, and 1.5W on the rear transformer to optimise volume for each zone. Mix taps across a single 100V speaker line without rewiring.

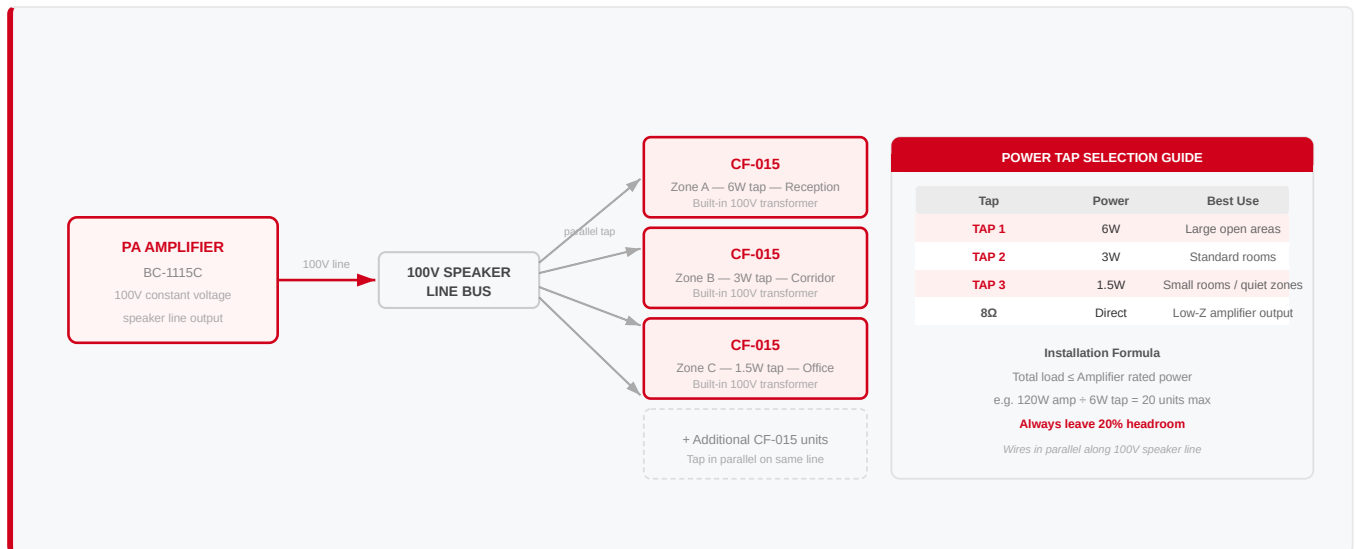
TOOL-FREE INSTALLATION

Spring-clip mechanism secures the unit from below in any 148mm ceiling cutout. No access above the ceiling required — fast deployment across multiple zones.

WIDE 130° COVERAGE

5-inch full-range driver with 130° conical dispersion delivers even, gap-free coverage — reducing the number of units required per room or corridor.

100V SPEAKER LINE ARCHITECTURE



TYPICAL APPLICATION SCENARIOS

Corporate
Offices & Lobbies

Education
Classrooms & Corridors

Healthcare
Wards & Waiting Areas

Retail
Stores & Supermarkets

Hospitality
Hotels & Restaurants

Government
Public Halls

Worship
Churches & Mosques

Industrial
Clean Offices & Canteens

WHY C-YARK

10+
YEARS IN PA

CE
CERTIFIED

ISO
9001 QUALITY

3C
COMPLIANT

<p>ORDERING INFO</p> <p>CF-015 — 100V Ceiling Speaker</p> <p>Sold individually or in packs</p> <p>Includes: spring-clip hardware</p> <p>Colour: White (paintable grille)</p>	<p>COMPATIBLE AMPLIFIERS</p> <p>BC-1115C 120W Mixing Amplifier</p> <p>CY-BS130 120W IP Amplifier</p> <p>Any 100V / 70V PA amplifier</p> <p>Ensure load ≤ rated output – 20%</p>	<p>NOTES</p> <p>Specifications subject to change without prior notice.</p> <p>Product images for reference only.</p> <p>© C-YARK · Guangzhou Quanzhiyun Electronic Technology Co., Ltd.</p> <p>DS-CF-015-EN-052026</p>
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