

WIRELESS RF SYSTEM

UH-505B

UHF Wideband Antenna Distribution System

450–972 MHz active directional antennas and 10-port distribution — feeds up to 5 wireless mic receivers with selectable 3 / 10 dB gain



The UH-505B is a wideband UHF antenna distribution system covering 450–972 MHz. Two active dual-polarised log-periodic directional antennas feed a 10-port distributor serving up to 5 wireless microphone receivers (two antennas each), with selectable 3 dB or 10 dB amplifier gain to offset cable loss and BNC cascade ports to chain a second distributor. Weather-resistant antennas allow reliable outdoor use.

450-972
MHZ

10
ANT PORTS

5
RECEIVERS

3/10dB
GAIN

50Ω
IMPEDANCE

BNC
CASCADE

Outdoor
RATED

KEY FEATURES

- ✓ **10 Antenna Ports** — feeds up to 5 UHF receivers, two antennas each
- ✓ **Active Directional Antennas** — dual-polarised log-periodic array for strong, focused reception
- ✓ **Selectable 3 / 10 dB Gain** — built-in amplifier compensates coaxial cable loss; LED gain indicators
- ✓ **BNC Cascade Ports** — share one antenna pair with a second distribution system
- ✓ **Remote 12V DC Feed** — powers the antenna amplifiers over the coaxial cable
- ✓ **Weather-Resistant Antennas** — wind / water-resistant fishbone structure for outdoor use
- ✓ **Flexible Mounting** — mic stand, wall swivel bracket or ceiling suspension

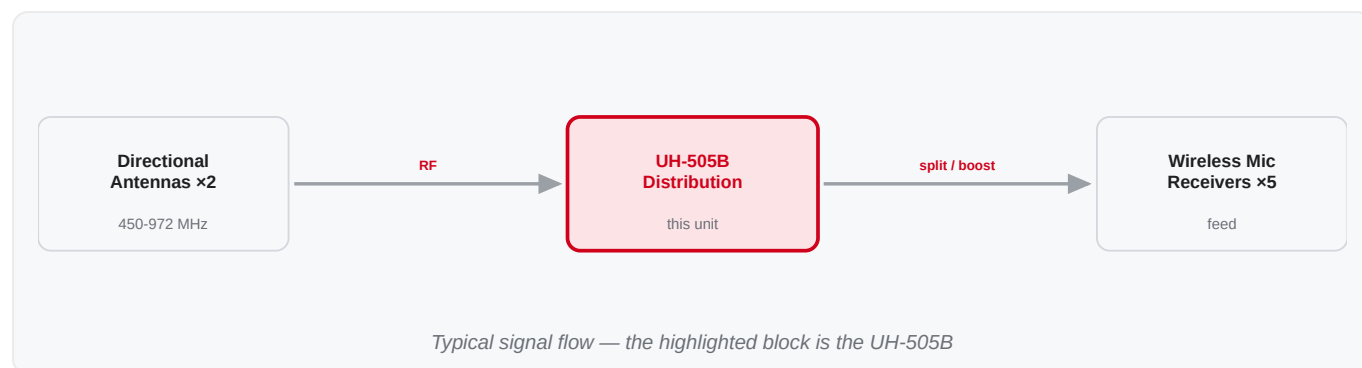
INSTALLATION NOTES

- Aim both directional antennas toward the performance / stage area.
- Select 3 dB or 10 dB gain to match coaxial cable length (watch the LED indicators).
- Use the BNC cascade ports to chain a second distributor on the same antennas.

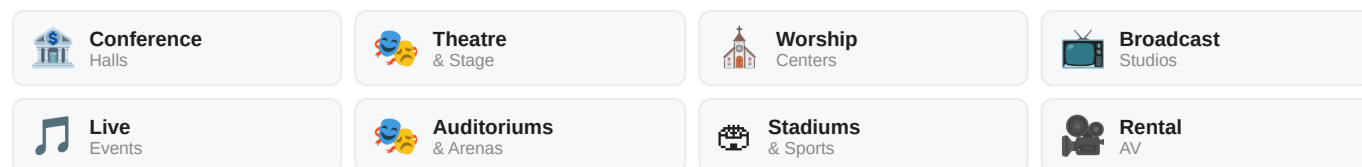
TECHNICAL SPECIFICATIONS

Model	UH-505B	Type	UHF Antenna Distribution
Frequency Range	450–972 MHz	Antenna Ports	10 (5 rx ×2)
Gain	3 dB (green) / 10 dB (red)	Impedance	50 Ω
Connector	BNC	Phantom Power	+9 VDC, 20 mA
Power Supply	DC 12–18V, 5000 mA	Cascade	2× BNC
Beamwidth	70° (3 dB)	Antenna Gain	10 dBi on-axis
OIP3	> 30 dBm	Mounting	stand / wall / ceiling
Main Unit	475 × 225 × 45 mm	Antenna	300 × 345 mm
Gross Weight	6 kg	Certifications	CE, FCC, RoHS

SYSTEM CONNECTION DIAGRAM



TYPICAL APPLICATION SCENARIOS



WHY C-YARK



COMPATIBLE WITH

Distributes antenna signal to up to 5 UHF wireless microphone receivers; BNC cascade extends to a second UH-505B. Pairs with C-Yark wireless conference and microphone systems.

ORDERING & SUPPORT

Model: UH-505B
Lead time & MOQ: contact distributor
Distributor (Bangladesh): DIGI-MARK SOLUTION
 Specifications subject to continuous improvement.