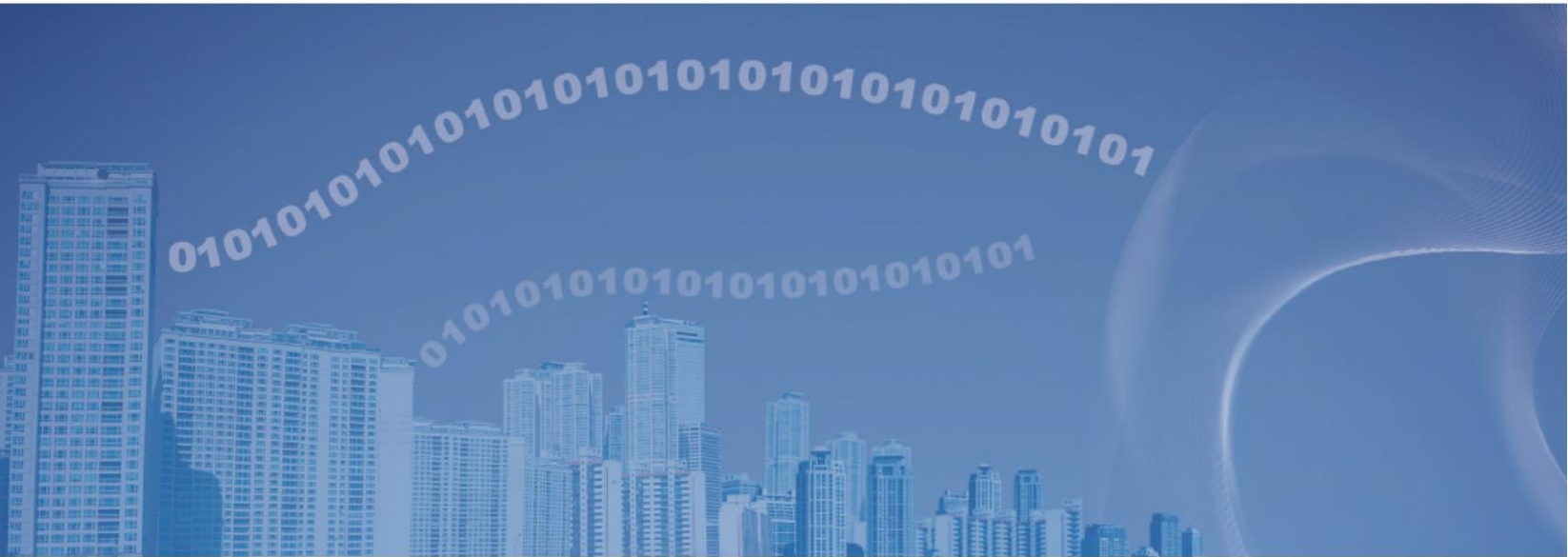


Unication One-Way Signal Booster

Booster Designed for Public Safety



One-Way Signal Booster

***Boosts All Public Safety Bands: VHF, UHF
and 700-800MHz***

***Supports Multiple System Types: Analog 2-
Tone, P25 Conventional & P25 Trunking***

Delivers Crucial In Building Signal Coverage

Easy User Installation

Powerful & Cost-Effective Solution



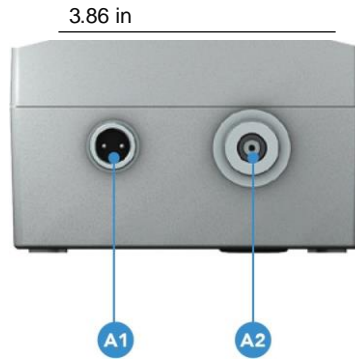
Unication USA
Phone: (817) 303-9320
Email: Info@Unication.com
www.Unication.com

Introduction: One-Way Signal Booster

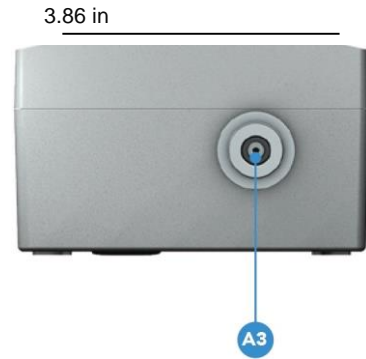
• TOP View



• Front View



• Back View



A: Interface

A1 Power Input

A2 Output after the
signal amplified

A3 Input prior to the
signal amplified

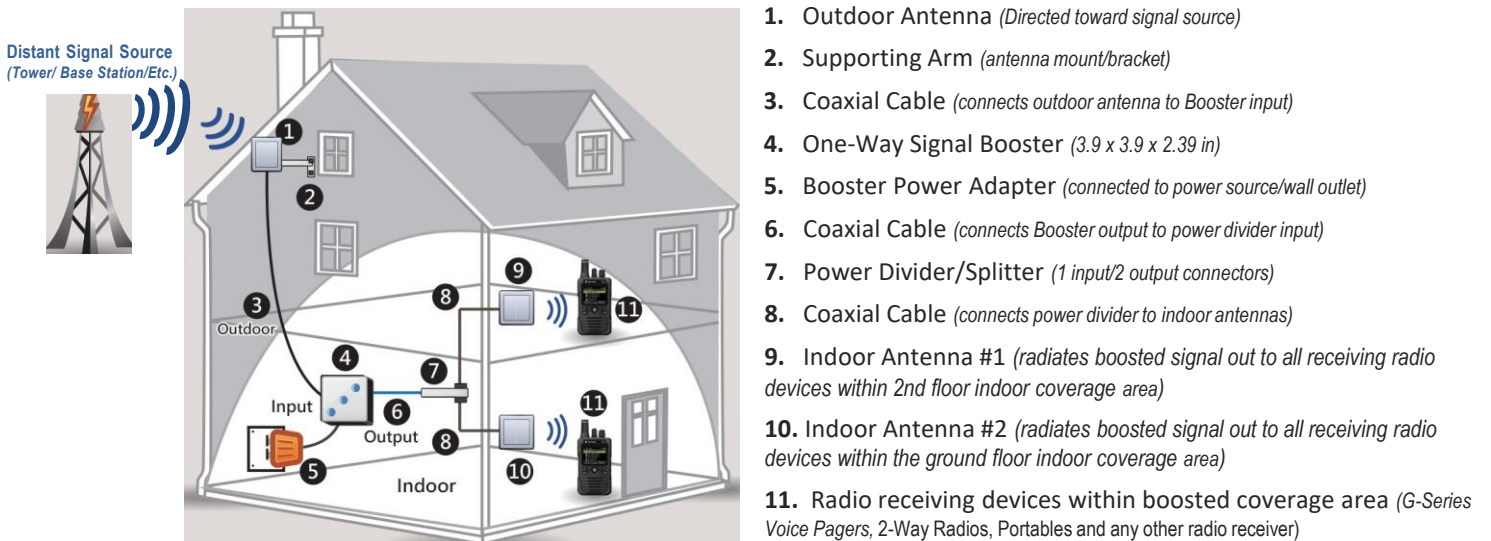
B: LED Indicator

B1 Signal indicator

B2 Power Indicator

One-Way Booster System Integration Diagram:

In the example diagram below, the One-Way Signal Booster uses a co-axial power divider to direct output (2) two separate indoor antennas which are installed on the first and second floors to provide an expanded coverage area throughout the two-story structure.



Technical Specifications

Product Specifications		
Product Name	One-Way Signal Booster	
System Protocols Supported	Analog 2-Tone, P25 Conventional, P25 Phase I, P25 Phase II	
Frequency Ranges	VHF/UHF: 136-174MHz & UHF 400-520MHz 700/800: 763-776MHz, 794-806MHz, 851-870MHz, 806-824MHz 700: 763-776MHz, 794-806MHz, 800: 851-870MHz, 806-824MHz	
Largest Gain	78 dB	
Environment and Temperature for the Device		
Device Temperature	-22°F - +158°F	
Hardware Specifications		
Shell Material	Aluminum Alloy	
Weight (w/o accessories)	580 g	
Dimensions (Inc. Cable Connector)	Height (Unit: mm)	135 mm
	Width (Unit: mm)	98 mm
	Thickness (Unit: mm)	60 mm
Optional Accessories	Omni-Directional Indoor Antenna	+2 dBi
	Yagi 18dB Gain External Antenna	+18 dBi
	LMR400 RF Coaxial Cable (10 meter)	Cable Loss 3 dB
	Antenna Bracket	243 mm* 60.30 mm* 25.14 mm
	Power Divider	97 mm * 110 mm * 51 mm
Device Capabilities	Gain Switching	Yes
	Frequency Band Switching	Yes
Characteristics and Specifications		
Gain Settings	Manually set as High Gain or Low Gain	High Gain: 78 dB Low Gain: 60 dB
Automatic Gain Control (AGC)		30 dB
Noise Figure		<4 dB
Booster Connector		N-Female Coax
Impedance		50 Ohm
Connection Type		Coax
Recommended Cable		LMR400 Coax or equivalent



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 Rugged. Reliable. Built to LAST.

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