

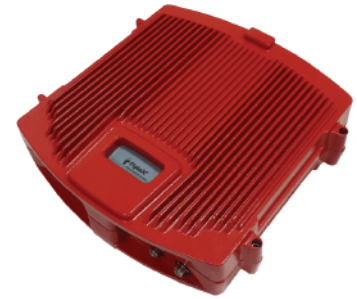
# PUBLIC SAFETY BANDWIDTH ADJUSTABLE SIGNAL BOOSTERS

## PS 700 MHz • Class B

**H724V**  
**H730V**

### Product Features

- IF SAW filtering, sharp filtering, outstanding out of band rejection
- Band Selective, Bandwidth adjustable by software
- US and Canada 700MHz band compatible, software adjustable
- Uplink squelch, programmable
- Antenna isolation control
- User adjustable gain control, UL and DL independent
- Automatic Gain Control
- NFPA compliant
- Weatherproof enclosure, IP67/NEMA4X



Public Safety Bandwidth Adjustable  
Signal Boosters

### Applications

- For P25, TETRA, DMR, NXDN and Conventional systems
- Buildings, tunnels, stadiums
- Passive DAS
- Leaky cable networks



### RF Specification

Type	Band Selective Signal Boosters, BW Adjustable	
Frequency range	763-775 / 793-805MHz or 764-776 / 794-806MHz (software adjustable)	
Passband BW	500KHz to fullband, software adjustable	
Gain, maximum	H724V: 70dB	H730V: 80dB
Passband ripple	+/- 2.0 dB	
Gain, manual control	20dB range, digitally controlled in 1dB steps	
Antenna isolation control, gain adjustment	0 to 20 dB	
AGC range	0 to 40 dB	
Composite output power, DL	H724V: +24dBm	H730V: +30dBm
Composite output power, UL	+24dBm	
IM and spurs	< -13dBm	
Noise figure, in dB	7.0 max at maximum output power	
Impedance	50 Ω	
Group delay	8uS max	
Connectors	N(f) as standard	
VSWR at operating frequencies	1.5:1 max	
Uplink squelch function	Yes, user selectable, to avoid UL noise when no carriers present	

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### Supervising Specifications

### Value

Self diagnostic platform	Microprocessor based
Alarms	Yes, amplifiers status, power amplifiers status, power supply failure, temperature, AGC, RF overload, poor antenna isolation.
Local management and supervising	Local access via USB
Remote management and supervising	Remote access via Ethernet and wireless modem, option RC-G (FIPLEX OMS)
RoHS compliance	Yes

### Electrical Specifications

### Value

AC Supply	110/220 VAC 50/60 Hz
Power Consumption	H724V: 40W      H730V: 75W
DC Supply	optional, see table
Housing	IP67 / NEMA4x
Temperature range	-22° to 140° F • -30° to +60° C
Dimension	15.3 x 15.3 x 3.5 inches • 390 x 390 x 90 mm
Weight	39.7 lbs • 18 kg
Mounting	Wall and pole mounting as standard.
MTBF	250.000 hours

MODELO	NFPA	RC-G	110-220VAC	+24VDC	-48VDC
H724V-004	X		X		
H724V-005	X			X	
H724V-006	X				X

MODELO	NFPA	RC-G	110-220VAC	+24VDC	-48VDC
H730V-004	X		X		
H730V-005	X			X	
H730V-006	X				X

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WARNING: This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENCE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.



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