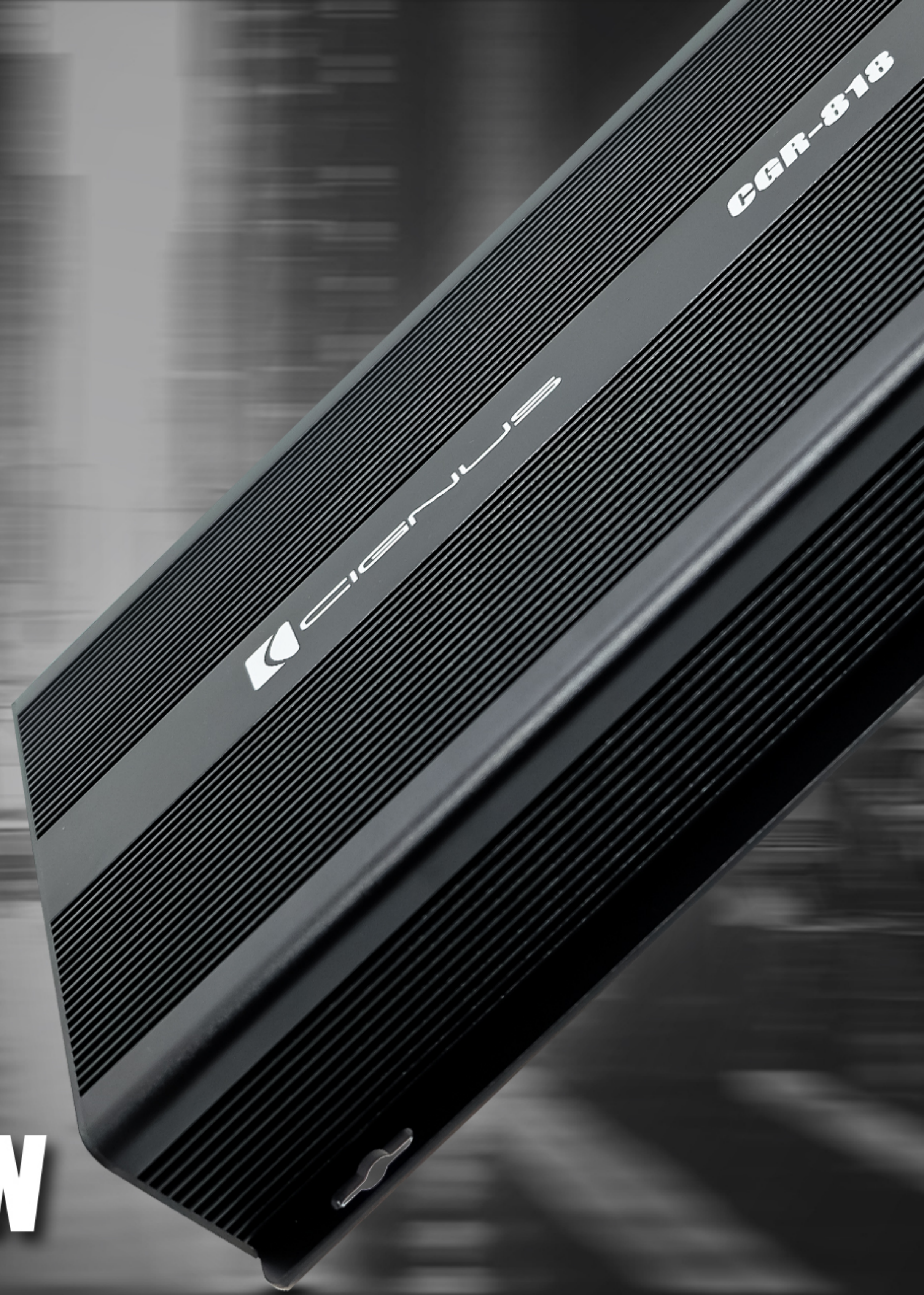




# TIME TO UPGRADE YOUR COMMUNICATION



## CIGNUS Radio **CGR-818**

Cignus CGR-818 Crossband Repeater System

Available in  
Dualband



**50 Watts**  
For VHF



**40 Watts**  
For UHF



**99**  
Channels



built-in Power Supply



Radio • Antenna • Power Supply • Accessories • S.A.F.E.

## GENERAL

Frequency Range	136~174MHzMHz; 400~470MHzMHz
Number of Channels	99 channels
Channel Spacing	25KHz(Wide band) 20KHz(Middle band) 12.5KHz (Narrow band)
Operating Voltage	100~240AV ~3.0A
Squelch	Carrier/CTCSS/DCS
Frequency Stability	± 1.5ppm
Operating Temperature	-20~+60°C
Dimensions	355x205x50mm
Weight	about 2.75kg

## RECEIVER

	Wide band	Narrow band
Sensitivity (12dB SINAD)	≤ 0.28 μ V	≤ 0.35 μ V
Adjacent Channel Selectivity	≥ 70dB	≥ 60dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Hum & Noise	≥ 45dB	≥ 40dB
Audio distortion	≤ 5%	

## TRANSMITTER

	Wide band	Narrow band
Power Output	50W/25W/10W/5W(VHF) 40W/25W/10W/5W(UHF)	
Modulation	16KΦ F3E	11KΦ F3E
Adjacent Channel Power	≥ 70dB	≥ 60dB
Hum & Noise	≥ 40dB	≥ 36dB
Spurious Emission	≥ 60dB	≥ 60dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Audio Distortion	≤ 5%	