

 **CIGNUS Radio**

# W85

GENERATION 3 • GENERATION 3 • GENERATION 3

## Specification:



**5 watts**  
RF power



**1800mAh**  
Battery Capacity



**999**  
Channels

## Available in:



**Dualband**  
**VHF & UHF**  
(136-174MHz & 400-470MHz)





NTC APPROVED  
CIGNUS V85(GENERATION-3)

**CIGNUS** *Radio*

## PRODUCT SPECIFICATION:

### GENERAL:

Frequency range	VHF: 136MHz - 174MHz UHF: 400MHz - 470MHz
Memory channels	999
Frequency stability	2.5ppm
Antenna impedance	50Ω
Operating temperature	-20°C to +60°C
Supply voltage	7.4V Lithium-Ion
Mode of operation	Simplex or semi-duplex
Duty cycle	03/03/54 min. (Rx/Tx Standby)

### RECEIVER:

Receiver sensitivity	-122dBm(at 12dB SINAD)
Intermodulation	65dB
Audio output	1W
Spurious Response	65dB

### TRANSMITTER:

RF power	5w
Type Modulation	16K F3E/11K F3E
Maximum Deviation	≤±5KHz/≤±2.5KHz (W/N)
Spurious emissions	<-60dB



**1 YEAR PARTS WARRANTY AND  
LIFETIME SERVICE WARRANTY**