



**TX3500S**  
Value Pack  
#TX3500SVP

www.gme.net.au



**5**  
YEAR  
WARRANTY

## PACKAGE CONTENT

- TX3500S radio unit
- Rugged Microphone
- AE4018K2 rugged antenna kit
- AE4002 low gain replacement antenna whip
- MB407SS universal "Z" antenna mount
- MB024SS universal bullbar antenna mount
- Microphone clip
- DC lead & mounting cradle

## SPECIFICATIONS

### GENERAL SPECIFICATIONS

<b>Compliant Specifications</b>	• AS/NZS 4365	<b>Overvoltage Protection</b>	• 30V DC Max, (Hi DC Flash @ 18V DC)
<b>Frequency Range TX</b>	• 476.425 - 477.4125 MHz	<b>Overcurrent Protection</b>	• In-Line 2A Fuse
<b>Number of Channels</b>	• 80	<b>Standard Test Voltage</b>	• 13.8 Volts DC
<b>Channel Spacing</b>	• 12.5 kHz	<b>Battery Polarity</b>	• Negative Earth
<b>Operation Mode</b>	• Simplex or Half Duplex with Repeater	<b>Reverse Voltage Polarity</b>	• Diode Crowbar
<b>Scanning Speed</b>	• 50 ms per Channel	<b>Dimensions</b>	• 128mm L x 117mm D x 29mm H
<b>Antenna Impedance</b>	• 50 Ohms Nominal	<b>Gain (Antenna)</b>	• 6.6 dBi (AE4018K2), 2.1 dBi (AE4002)
<b>Nominal Battery Voltage</b>	• 12 Volts DC	<b>Frequency Band (Antenna)</b>	• 477 MhZ
<b>Operating Voltage Range</b>	• 10 - 16 Volts DC	<b>Dimensions (Antenna)</b>	• 93cm (AE4018K2), 150mm (AE4002)

### TRANSMITTER SPECIFICATIONS

<b>RF Output</b>	• 5 Watts Max	<b>Maximum Deviation</b>	• < +/- 2.5 kHz at +20 dB Limiting
<b>Spurious Emission</b>	• < -70 dBc	<b>Frequency Response</b>	• +6 dB per Octave 300 Hz to 3 kHz +1-3 dB
<b>Modulation</b>	• FM	<b>Current Consumption</b>	• 1.7 Amps with 50 Ohms Termination

### RECEIVER SPECIFICATIONS

<b>Intermediate Frequencies</b>	• 38.85 MHz, 450 kHz	<b>Spurious Response Immunity</b>	• 70 dB
<b>Sensitivity</b>	• -123 dBm for 12 dB SINAD Unweighted	<b>Audio Output Power</b>	• 3W Average into 4 Ohms
<b>Selectivity</b>	• -6 dB at +3.5 kHz, -60 dB at +/- 12.5 kHz	<b>Audio Signal to Noise</b>	• > 45 dB Unweighted
<b>Intermodulation Immunity</b>	• -72 dB	<b>Current Consumption</b>	• < 175 mA Muted 750 mA Full Volume
<b>Blocking Immunity</b>	• -98 dB	<b>Conducted Spurious Emission</b>	• < -70 dBm