

# MOBEXCOM VEHICULAR REPEATER

## Transportable & Battery Backup Option

- The Mobexcom II Vehicular Repeater (VR) extends radio communications for portable users in areas where the portable radios are subject to either intermittent or complete lack of System Radio Coverage.
- A Transportable Option Kit is available for most Mobexcom II VR models. (The Transportable Option is to be added to the Mobexcom II VR at the time of order i.e. not a field upgradeable option).
- Transportable Vehicular Repeaters (TVR) are typically used by Fire, EMS or Police personnel in addition to the vehicular repeaters mounted in the vehicles. The TVR provides more flexibility in handling the radio communications during tactical situations inside buildings or other enclosed areas.
- The TVR features easily accessible programming connectors for both the VR and the Mobile Radio.
- The TVR is a self-contained, fully integrated, easy to deploy in the field package.
- Powered either by plugging the provided power cable into an AC power outlet (117V AC) or by an optional external battery pack.
- Battery Backup Option available – 2 hrs, based on 50/50 duty cycle.
- AC to 13.8 VDC battery charger with output protection.



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## Specifications

The following specifications refer to the Transportable Kit and Battery Pack Options. Please refer to the Mobexcom Spec Sheet for Vehicular Repeater specifications.

### TRANSPORTABLE KIT

	<b>Dimensions</b>	21" x 16 7/8" x 8 1/8"
	<b>Weight</b>	52 lbs
<b>Connectors:</b>	Mobile Antenna	N female
	VR Antenna	N female
	AC Power	MS3102E14-7P
	DC Power	MS3102E16-11P
	<b>Antenna Type</b>	Antennas are not supplied with the TVR; Recommended VR antenna type: Unity Gain

### BATTERY PACK KIT

	<b>Backup Time</b> (Mobexcom II, 50:50 Tx-Rx Duty Ratio,)	> 2 hrs
	<b>Dimensions Height / Width / Depth</b>	
	Battery Pack	245mm (9.65") / 280mm (11.0") / 175mm ( 6.9")
	Battery Charger	51mm (2.0") / 127mm (5.0") / 124.5mm ( 4.9")
<b>Weight:</b>	Battery Pack	13.0kg (28.5lb)
	Battery Charger	1.8kg (4.0lb)
	<b>Battery Charger AC Input Voltage</b>	100V AC – 132V AC, 50Hz – 60Hz
	<b>Battery Pack DC Output Voltage Range</b>	10.9V DC – 13.8V DC
<b>Output DC Cable:</b>	7W077X11-01	Mobexcom TRS Cable
	7W077X12-01	Motorola DC Power Cable
	<b>Charging Temperature</b>	+20°C to +25°C (+68°F to +77°F)
	<b>Operating Temperature</b>	-15°C to +50°C (+5°F to +122°F)
	<b>Storage Temperature</b>	+25°C (+77°F)
	<b>Charger DC O/P Fuse</b> (Reverse DC Polarity Protection)	7.5A, Automotive Blade Type, Fast Blow
	<b>Charger Compliance</b>	UL 1236 and CSA 22.2
	<b>Charger DC Plug Compliance</b>	MIL-C-5015
<b>Connectors:</b>	Battery Pack DC Output	CA3102E16-11SB, "MIL-C-5015" Bayonet
	Charger AC Input	NEMA 5-15P Three Prong AC Plug
	Charger DC Output	CA3106E16-11PB, "MIL-C-5015" Bayonet
	<b>Battery Pack Output Voltage Indicator</b>	
	Flashing RED	< 10.9V DC approx.
	Flashing GREEN	> 10.9V DC approx.
<b>Charger Indicator:</b>	RED	Charging
	Flashing GREEN	Battery Pack 80% Charged
	GREEN	Battery Pack Charged, Float Charging
	Alternating RED/GREEN	Error
	<b>Charging Time</b>	10 hours approx.
	<b>Float Charge</b>	Required



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