User Guide

XPR 8300 Repeater

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Repeater Front Panel

LED Indicator Descriptions

LED	Status	Description
Power	Solid GREEN	Repeater powered by AC
	Solid RED	Repeater powered by back-up battery
	Off	Repeater powered off
Repeater Disable	Solid RED	Repeat function disabled
	Blinking RED	Repeater in self test mode
	Off	Repeater in normal operational mode
Digital	Solid BLUE	Repeater in Digital mode
Analog	Solid YELLOW	Repeater in Analog More
TX-A	Solid RED	Repeater transmitting (Analog)
	Solid RED	Repeater transmitting on Slot A (Digital)
RX – A	Solid GREEN	Repeater receiving (Analog)
	Solid GREEN	Repeater receiving on Slot A (Digital)
TX – B	Solid RED	Repeater transmitting on Slot A (Digital)
RX – B	Solid GREEN	Repeater receiving on Slot A (Digital)

Repeater Rear Panel

Item	Description
Rx Antenna	Type BNC-F
Main Power Switch	Turns on/off power to repeater from both AC input and back-up battery. If switch is off Repeater will not switch to Battery operation.
AC Input	117 - 230 Volts
DC Input	Back-up battery supplies back-up power to repeater. The battery is an optional accessory. Repeater will trickle charge battery, but an external charger is recommended to equalize battery after prolonged use. Auto switching from AC to battery with loss of AC power is a function or the standard repeater power supply. Supply will automatically switch back to AC operation upon return of AC power. The Front Panel Power LED switches from Green to Red when on Battery power
Power Supply Fan	Runs continuously
Accessory Connector	Programming cable plugs in here. Additional future features will be provided on this port.
Ethernet Connector	(Future Use)
Main Fan	Variable speed. Idles at room temperature. Speeds up with extended use of the repeater
TX Antenna	Type N – F
GROUND	Must be connected to System Ground

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