

IMPRES™ BATTERY MANAGEMENT SAFER, SMARTER, POWERED FOR LONGER



YOUR BATTERY **SAFER, SMARTER, POWERED FOR LONGER**

Your radio is only as good as the battery that powers it. When your radio battery fails and communication is lost, it impacts the performance and safety of your organization – whether you're operating an industrial facility, serving customers in a hotel or saving lives. Yet maintaining a large fleet of batteries can be frustrating, time-consuming and costly.

The IMPRES Battery Management application makes all the difference. It eliminates the guesswork, complexity and expense of managing hundreds – even thousands – of batteries, wherever they are. With IMPRES, you can count on your radios to power up in the moments that matter.



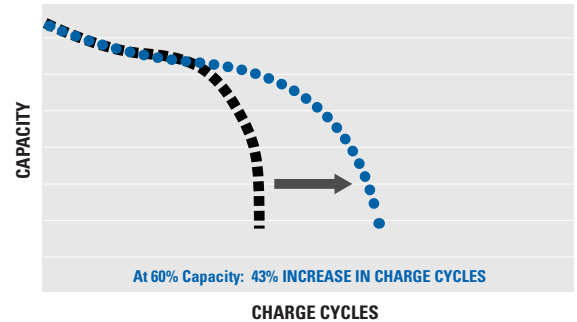
IMPRES IS THE DIFFERENCE BETWEEN “READY” AND “RAN OUT”

Only IMPRES Battery Management provides the most accurate information on each battery in your fleet so you know they’re fully charged and will last the entire shift.

IMPRES software automatically collects battery-critical data including capacity, charge and recondition history, and put-in-service dates.

Because IMPRES batteries can be charged 150 times more than standard batteries, you stock fewer spares and replace fewer batteries.

ONLY IMPRES BATTERIES CAN BE CHARGED
150 TIMES MORE THAN STANDARD BATTERIES
AND LAST 43% LONGER



COMMUNICATE CONTINUOUSLY, WORK EFFICIENTLY

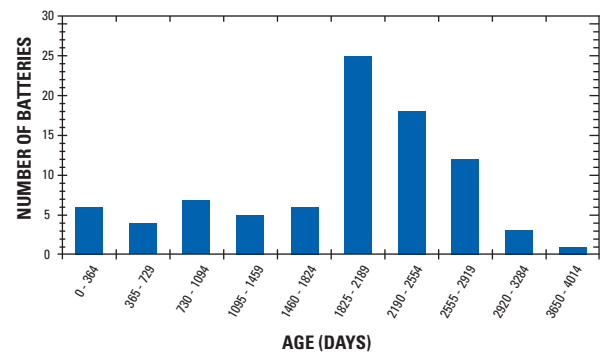
IMPRES Battery Management delivers battery-critical information to enhance the performance and safety of your organization.

- Tells you when batteries are below your specified minimum capacity
- Ensures there is enough capacity for an entire shift
- Eliminates unplanned downtime and work interruptions
- Avoids the expense of throwing batteries away prematurely
- Decreases the need for excess battery inventory
- Asset tracking for batteries and in the OTA version, for radios

REAL TIME BATTERY HEALTH REPORT ENABLES IMMEDIATE BATTERY HEALTH AND CAPACITY QUERYING

Radio ID	Radio Make	Proxy Status	Battery Serial Number	Battery Brand	Health (%)	Remaining Capacity (%)	Battery Type	Request Status	Date of Last Registration	Date of Last Read	Age (Days)	Recommendation	Computer	Priority
100003	Motorcycle 1	T	500000497475	Len	100	100	IMPRES		1/21/2015 12:00 AM	1/21/2015 12:00 AM	730	Recondition / Calibrate Battery Out of Service Life - Age Lost Radio	FLEETMANAGEMENT-PC	Motorola IMPRES OTA
100045	Motorcycle 1	T	500000505238	Len	100	100	IMPRES		1/9/2015 12:00 AM	1/9/2015 12:00 AM	938	Recondition / Calibrate Battery Out of Service Life - Age	FLEETMANAGEMENT-PC	Motorola IMPRES OTA
12814	Security	T	500000207983	Len	100	100	IMPRES	Success	12/30/2014 12:04 AM	12/30/2014 12:04 AM	729	Recondition / Calibrate Battery Warm Battery before charging Lost Radio	FLEETMANAGEMENT-PC	Motorola IMPRES OTA
12824		T	500000209132	Len	100	100	IMPRES	In Charger	1/21/2015 9:59 AM	1/21/2015 2:22 AM	779	Out of Service Life - Age	FLEETMANAGEMENT-PC	Motorola IMPRES OTA
12834		T	500000200440	Sam	100	100	IMPRES	Success	12/16/2014 12:00 AM	12/16/2014 12:00 AM	380	Out of Service Life - Age Lost Radio	FLEETMANAGEMENT-PC	Motorola IMPRES OTA
12844		T	500000214507	Chen B	100	100	IMPRES	Response Time Out	12/28/2014 12:00 AM	12/27/2014 12:00 AM	2208	Recondition / Calibrate Battery Out of Service Life - Age Lost Radio	FLEETMANAGEMENT-PC	Motorola IMPRES OTA
12864		T	500000212068	Alan	100	100	IMPRES	Success	1/2/2015 12:00 AM	1/2/2015 12:00 AM	585	Recondition / Calibrate Battery Out of Service Life - Age	FLEETMANAGEMENT-PC	Motorola IMPRES OTA
26512	Man	T			100	100	Non-IMPRES		2/28/2015 9:07 AM			No Recommendations	FLEETMANAGEMENT-PC	Motorola IMPRES OTA

AGE IN DAYS SHOWS ALL BATTERIES GROUPED BY AGE (DAYS)

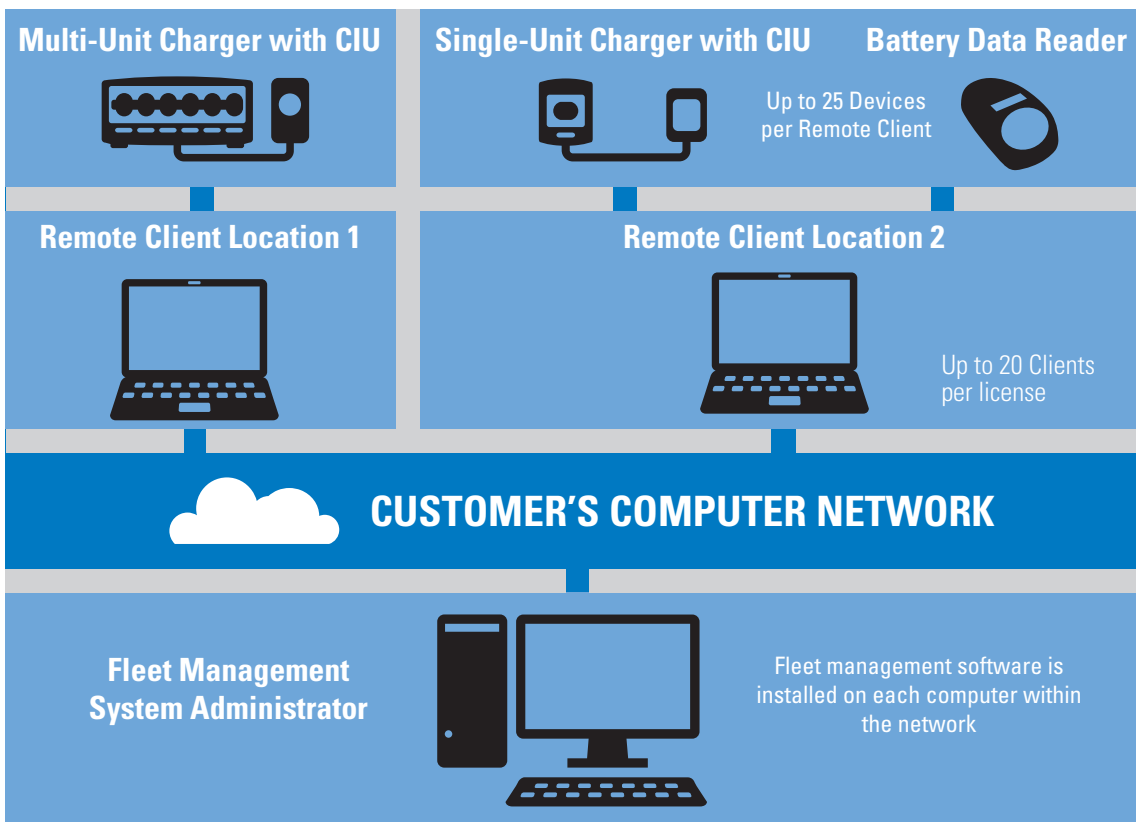


IMPRES BATTERY MANAGEMENT IN THE CHARGER

IMPRES BATTERY MANAGEMENT VIA NETWORKED CHARGERS

IMPRES Battery Management collects accurate, up-to-the-moment information each time an IMPRES battery is inserted into an IMPRES charger. You'll know how long batteries will last and be confident anyone using a radio can communicate at full potential.

IMPRES Battery Management helps you monitor and manage battery health in real time. It is designed for APX™, XTS®, MOTOTRBO™ XPR Series and HT Professional radios.



IMPRES BATTERY MANAGEMENT OVER THE AIR

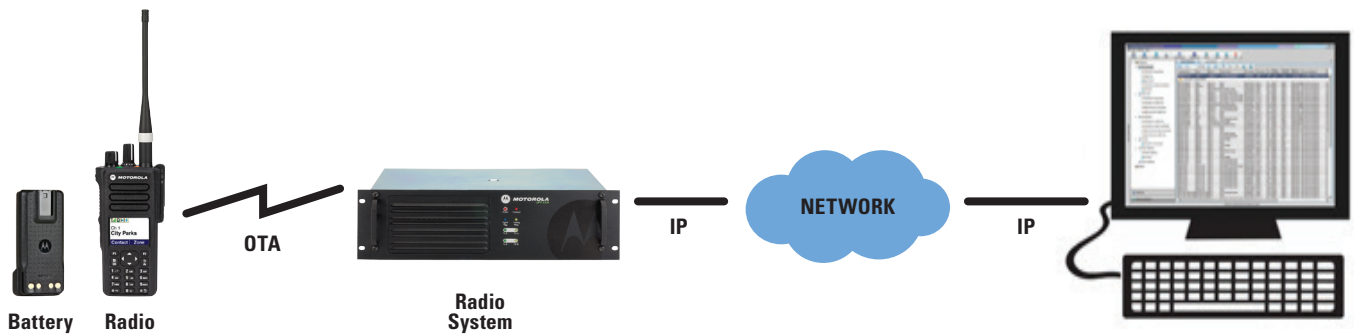
NEW IMPRES OVER THE AIR (OTA) BATTERY MANAGEMENT

IMPRES OTA Battery Management, for XPR 7000 or XPR 3000 Series radios when used with IMPRES batteries, automatically collects battery information over the air while radios are in use. It eliminates the need for wired network connections and a computer at charger locations. It also enables real-time data querying of any radio in the field and adds radio related data for radio asset tracking and other uses.

IMPRES OTA Battery Management requires MOTOTRBO XPR 7000 and XPR 3000 radios with software upgrade 2.4 and IMPRES Battery Management software 2.0 and a software license key. See ordering guide on page 7 for detailed information.

The IMPRES OTA Battery Management application communicates with the radio system through an IP Data Gateway in one of two ways, through the Motorola Network Interface Service (MNIS), which communicates via IP to the system, or a mobile radio configured as a control station.

1. Motorola Network Interface Service (MNIS)



2. Mobile radio configured as a control station



GAUGE BATTERY STATUS AT A GLANCE

IMPRES BATTERY READER

The IMPRES Battery Reader provides data similar to IMPRES Battery Management. It provides charging, reconditioning and key usage data that can affect overall battery performance. By enabling quick data-based diagnostics, the IMPRES Battery Reader helps optimize talk time, improve cycle life and reduce battery replacement.

The Battery Reader is a stand alone tool that is ideal for a technician's workbench to enable quick, individual battery analysis.

IMPRES BATTERY READER

This standard package (NNTN7392) includes:

- IMPRES Battery Reader
- USB cord
- HT Series adapter insert
- MOTOTRBO adapter insert
- APX adapter insert
- System Software CD



Laptop not included

- Get a quick view of the battery's ability to hold a charge
- See accurate insights into the age of the battery
- Know each battery's usage and performance
- Track warranty claims and potential battery problems
- Export data to Excel for archiving and easy access in the future
- Install quickly and easily. Simply attach the IMPRES Battery Reader to a PC via the USB port; no additional power is needed
- Works with all IMPRES batteries

IMPRES BATTERY MANAGEMENT ORDERING GUIDE

IN THE CHARGER

FOR APX, XTS, MOTOTRBO XPR 3000, XPR 6000 and XPR 7000 SERIES AND HT PROFESSIONAL RADIOS

To deploy IMPRES Battery Management:

- **Download NNTN7676** [IMPRES Battery Management Software](#)
- **Purchase HKVN4036** Entitlement ID(s) for up to 20 PCs
- **Purchase NNTN7677** Charger Interface Unit for each Multi-Unit Charger and/or **NNTN8045** Charger Interface Unit for each Single-Unit Charger

The APX Dual Unit Charger accommodates a standard USB cable

OVER THE AIR

FOR MOTOTRBO XPR 7000 and XPR 3000 SERIES RADIOS

To deploy IMPRES OTA Battery Management:

- **Download NNTN7676** [IMPRES Battery Management Software](#)
- **Purchase HKVN4036** Entitlement ID(s) for up to 20 PCs
- Upgrade radio software to 2.4 or later

IMPRES OTA Battery Management is supported by the following MOTOTRBO Systems:

- Direct Mode (12.5e and 6.25e)
- Single Site Repeater
- IP Site Connect
- Capacity Plus
- Linked Capacity Plus

NOTE: Not compatible with Connect Plus

CHARGER INTERFACE UNIT (CIU)

Purchase 1 CIU for each IMPRES charger you want to network into IMPRES Battery Management. The APX Dual Unit Charger and IMPRES Battery Reader do not require a CIU and can be networked into IMPRES Battery Management with a standard USB cable.

Multi-unit Charger Interface Unit	NNTN7677	APX, XTS, HT, MOTOTRBO*
Single-unit Charger Interface Unit	NNTN8045	APX, HT, MOTOTRBO*

- Each computer can have up to **25 devices connected** to it. These include: IMPRES Multi-Unit Chargers (APX, XTS, MOTOTRBO or HT Professional), IMPRES Single Unit Chargers (APX, MOTOTRBO or HT Professional), APX Dual Unit Chargers and one IMPRES Battery Reader. Please note, the XTS IMPRES single unit charger is **not** supported.
- A USB hub will be required when the number of devices that need to be connected to a single PC exceeds the available USB ports
- The maximum number of batteries IMPRES Battery Management can accommodate is 25,000

NOTE: Free 90 day trial version available at [IMPRES Battery Management Software](#)

*Only MOTOTRBO XPR 6000 Series radios require a CIU. XPR 7000 and XPR 3000 Series Radios support OTA Battery Management.

BROCHURE
IMPRES™ BATTERY MANAGEMENT

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