CHANNEL NEWSLETTER

January 2019

NEW MTP6000 & MTP3000 SERIES SIX-WAY MULTI-UNIT CHARGER

LATEST ADDITION TO THE TETRA PORTFOLIO

The new enhanced TETRA IMPRES^{TM} 2 six-way multi-unit charger offers a smaller and lighter platform with integrated programming for the TETRA MTP6000 and MTP3000 radio families and IMPRES battery fleet management features for the MTP6650 IMPRES model. This multi-unit charger allows up to 6 radios or batteries to be charged simultaneously as well as supports integrated iTM (integrated Terminal Management) without the need for a separate USB hub.

New features include:

- Radio or battery charging without the need to change the insert
- Customizable charging (set charging percentages at 50% or 75% to optimize battery life while in storage, schedule battery calibration to suit your operational needs):
    - Preparing Lithium-Ion batteries for shipment
    - Long-term battery storage
- Integrated internal hub for iTM
- Compatibility with TETRA MTP6650 as an IMPRES 2 energy system*
    - Fast charging when charging of MTP6650 IMPRES 2 battery PMNN4522A (3400 mAh) – up to 1.6 times faster than the non-IMPRES batteries
    - IMPRES Fleet management with enhanced diagnostics (increase efficiency through battery usage data, plan low capacity batteries replacement). Two display modes are available for enhanced display data capabilities:
        - Set up mode enables the user to customise the charger for their specific use (battery storage mode, enabling/disabling

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calibration or reconditioning, display format selection, power saver selection)

- Diagnostic mode enables the charger to read IMPRES battery data similar to the IMPRES battery reader (date of first use, number of charge cycles and capacity details)
  o IMPRES Battery analyzer mode (for example end of service life)

Lithium Transportation

In order to comply with the *International Air Transport Association (IATA)* regulation stating that lithium ion cells and batteries must be offered for transport at a State of Charge (SoC) not exceeding 30% of their rated design capacity, the charger sets the State of Charge of the battery to a low value (typically 25% of rated capacity) permitting for bulk air cargo shipment.

Long-Term Battery Storage

The new multi-unit charger can also be set for long-term storage enabling the IMPRES battery to reach a State of Charge suitable for storage for a long period of time in an environmentally-controlled storage location or facility. Using the display, a series of options allows choosing a default of 50% of rated capacity or customizing the values required based on what is stored in the battery memory. Long-term storage at 75% rated capacity is also available for scenarios requiring the stored battery to be at a higher SoC, minimizing full-charge time if the battery must be quickly fielded.

Specifications

- Characteristics:
  o Weight: 2.3kg (excluding external Power Supply Unit)
  o Dimensions (L x W x H): 445 x 170 x 116 mm
  o Chemistry: Li-Ion
  o Technology: IMPRES 2*
  o Power source: 120-240 VAC
  o Number of pockets: 6
  o Number of displays: 1 (scalable to 6-unit display)
  o Integrated Terminal Management (iTM) for PC/Laptop to communicate with all 6 radios inserted into the Multi-Unit Charger through integrated USB Hub. Complies with the USB 2.0 Standard. Requires one USB A to USB micro-B cable to connect to PC.
- Radio Compatibility:
  o **TETRA**:
    - MTP6000 Series (legacy and current including the latest MTP6650 model)
    - MTP3000 Series (legacy and current)

The IMPRES 2 functionality is ONLY supported on the MTP6650 radio model equipped with an IMPRES 2 battery (PMNN4522A).

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Ordering Information

PMPN4401A – IMPRES 2 six-Way Multi-Unit Charger with US cord

PMPN4402A - IMPRES 2 six-Way Multi-Unit Charger with EU cord

PMPN4403A – IMPRES 2 six-Way Multi-Unit Charger with UK cord

CB000458A07 - USB Data Cable for fleet management and iTM programming

BR000272A01 - Wall mount bracket (required when an audio accessory is attached to the radio while charging – for example Remote Speaker Microphone)

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