

## ■ Warranty & Support

Global Technology Systems, Inc. products are designed to be compliant with the rules and regulations in the localities in which the products are sold and will be labeled as required. The limits are designed to provide reasonable protection against harmful interference when electronic devices are operated in a commercial environment.

For warranty and service information call 1-508-650-1172. Outside North America, please contact your local Global Technology Systems representative.

Each charger is guaranteed to be free from defects in materials and workmanship for 24 months from date of shipment under normal use.

The charger must remain unmodified and must be operated under normal and proper conditions. The warranty is limited to repair or replacement at Global Technology System, Inc., with reasonable promptness after being returned and received by Global Technology System, Inc. These provisions do not extend the original warranty term for any product or device which was repaired or replaced. This warranty applies to the original owner and does not extend to any product or device which was subject to misuse, neglect, accidental damage, unauthorized repair or tampering. Preventive maintenance activities are not covered by this warranty.

## ■ For additional information or replacement parts, please contact:

Global Technology Systems, Inc.  
550 Cochituate Road  
Framingham, MA 01701 USA  
In the US 1-800-267-2711  
www.honeywellbatteries.com



## ■ About Honeywell® batteries

Honeywell® Batteries are available for hand-held bar code scanners/mobile computers, portable® printers, two-way radios, and uninterruptible power supply systems (UPS). We also produce a line of battery chargers and design custom applications for clients' specific mobile power needs. We are proud to be a respected leader in mobile power technology, design and development.

The cornerstones of our business are product quality, customer service and attractive pricing. We look forward to serving you.

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Global Technology Systems, Inc. reserves the right to make changes to any product to improve function, reliability, or design.

Changes or modifications not expressly approved by Global Technology Systems, Inc. may void the warranty and the user's authority to operate the device.

No license is granted, either expressly or by implication, estoppels, or otherwise under any patent right or patent, related to or covering any combination, system, apparatus, machine, materials, methodology or process in which Global Technology Systems, Inc. products might be used. An implied license only exists for equipment, circuits, and subsystems contained in GTS products.

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## M/A-COM® P7100 Series Radio Cradle and Battery Charger

# Operations Manual



## Single Bay and 6 bay Multi-Chemistry Cradle and Battery Chargers for M/A-COM® P7100 Series Radio Batteries.

Single Bay	---	HCH-P7101
6 Bay	---	HCH-P7106

## ■ Equipment Supplied

- One (1) HCH-P7101 or HCH-P7106
- One (1) AC:DC or Power Supply With Integrated 4-pin DC Cable
- One (1) AC Line Cord
- One (1) Operations Manual
- One (1) set of charger bracket - Optional
- One (1) set of power supply bracket - Optional

## ■ Operation

1. Plug the AC power supply into the wall and the power cord into the charger
  - a. It is recommended that a grounded three (3) prong AC outlet be used to power this device. The user should insure that the AC outlet is grounded before using this device. If you are not sure that the AC outlet has appropriate ground, we suggest that a qualified electrician be called for verification.
  - b. A temporary grounding adapter can be used to properly ground a two (2) prong outlet.
2. Ensure that the charger housing air slots are unobstructed and adequate ventilation is provided. Do not use the charger in a completely closed cabinet.
3. Insert a battery or a radio into any charge socket. The unit will start to charge when it detects the presence of a battery and the battery is within normal temperature limits. When charging, the Charge LED will be red. Please see the LED indications in Product Specification in next page, or refer to the LED label on charger.

## ■ Cleaning

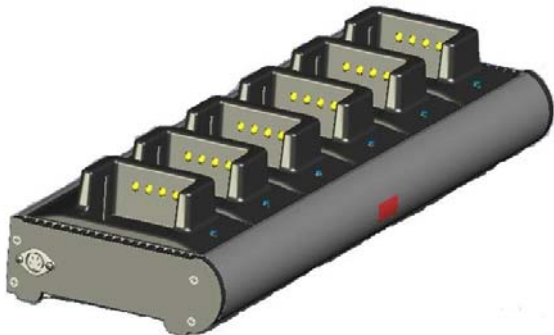
Periodically wipe the charger with a dry lens tissue or other cleaning materials suitable for optical applications: such as eyeglasses

## Product Specifications

Chemistries Supported:	Li-Ion, Li-Polymer, NiMH, NiCd
Operating Temperature:	0°C to +60°C (+32°F to +140°F)
Battery Temperature:	0°C to +50°C (+32°F to +125°F)
Storage Range:	0°C to +50°C (+32°F to +125°F)
Charge Time:	Up to 5 hrs maximum (varies with battery capacity)
Charge Current:	Up to 1000mA in Constant Current Charging Phase
Charge Method:	Li-Ion / Li-Polymer : CC-CV NiMH / NiCd : CC



**HCH-P7101**  
 Length: 6" (152mm)  
 Width: 6" (152mm)  
 Height: 3.62" (92 mm)  
 Weight: 1.1 lb (490g)  
 Power Supply: AC 100-240V, 50/60 Hz Input  
 DC 13.5V, 2.2A Output



**HCH-P7106**  
 Length: 19" (481mm)  
 Width: 6" (152mm)  
 Height: 3.54" (90mm)  
 Weight: 3.3lb (1460g)  
 Power Supply: AC 100-240V, 50/60 Hz Input  
 DC 13.5V, 5.9A Output

\* Note that specifications may change at any time.

## LED Indicators

Charger Mode	
Rapid Charge	Solid Red
Charging complete	Solid Green
Battery is over temp	Flash Red
System Fault - Remove Battery	Flash Red

## Compatible Batteries

The following listing is comprised of supported batteries as determined by Honeywell Battery Services, which are approved for use with the Honeywell HCH-P7101 Multi-Chemistry charger.

### Honeywell Batteries P7100 series

Battery Model	Capacity	Chemistry
HMA2104-LiP*	3500mAh	Li-Ion Polymer
HMA2104-M	2700mAh	NiMH
HMA2104-C	1700 mAh	NiCd

### M/A-COM P7100 series

Battery Model	Capacity	Chemistry
BKB 191 - 210/3	1700mAh	NiCd
BKB 191 - 210/4	2700mAh	NiMH
BKB 191 - 210/5	2700mAh	NiMH
BKB 191 - 210/6	2700mAh	NiCd
BKB 191 - 210/33	1700mAh	NiCd
BKB 191 - 210/34	2700mAh	NiMH
BKB 191 - 210/35	2700mAh	NiCd
BKB 191 - 210/36	2700mAh	NiMH
BKB 191 - 210/44	2700mAh	NiMH



\* **Only recharge the Honeywell Batteries HMA2104-LiP battery in an authorized Honeywell Batteries battery charger**

## Safety Guidelines & Warnings

- Before using this Charger, please read all instructions and cautionary notations on the Charger, the Honeywell® Battery, any OEM batteries, and on the host device.
- To reduce risk of injury, only use authorized battery products with this charger. Other non-approved batteries may cause personal injury and / or damage to the equipment.
- Do not expose the charger to excessive moisture, temperature extremes or direct sunlight.
- Place charger in a well ventilated area, which is free of foreign materials.
- To reduce risk of electric shock, unplug charger from power source before cleaning.
- Dispose of used batteries in accordance with your state or local hazardous material laws.
- Do not disassemble, incinerate, modify, or short circuit the charger, any battery, or related components.

## Troubleshooting

If the Charger does not operate after you have followed the previous operating instructions, then please try the following:

- Check the system power at the DC outlet
- Check for loose cable connections
- Check to insure the battery is properly inserted into the charging slot

## CAUTION

Do not pour, spray or spill any liquid into or onto the charger. If liquid does come into contact with the charger, immediately un-plug the charger and remove any batteries.