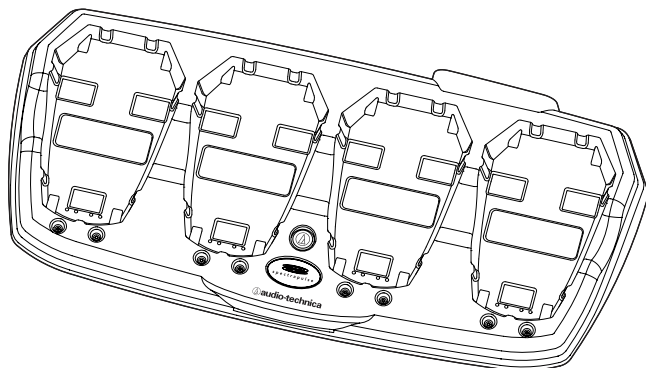


SpectraPulse®

Ultra Wideband
Wireless Microphone System

chg004 Charger for SpectraPulse® Transmitters



 spectrapulse.

 **audio-technica.**

DANGER

- This charger is designed only for NiMH rechargeable batteries. To avoid personal injury and damage, do not attempt to charge alkaline batteries or any other rechargeable batteries besides NiMH.

WARNING

- To prevent fire or shock hazard, do not expose this product to drips or splashes.
- To prevent fire, do not place any naked flame sources (such as lighted candles) on the product.
- To prevent fire, do not cover the ventilation of product with newspaper, tablecloths, curtains, etc.
- Do not install this product in a confined space such as a bookcase or similar unit.
- Do not open the cover. No user serviceable parts inside.
- Do not place any objects filled with liquids, such as vases, on the product.

CAUTION

- Do not use the charger in extremely cold or hot conditions.
- Keep the charger out of reach of small children.
- Danger of explosion if the wrong type of batteries are used.
- Replace batteries only with the same or equivalent type.
- The charger should be located close enough to the AC outlet so that you can easily grasp the AC adapter at anytime. In case of emergency, disconnect the AC adapter quickly.
- Do not expose batteries or charger to excessive heat such as direct sunlight, fire or the like.

RECYCLING OF NiMH BATTERIES

- Do not dispose the batteries as unsorted municipal waste; use separate collection facilities.
- Contact your local government for information regarding the collection systems available.

OPERATING PRECAUTIONS**Battery Charger**

- It is not abnormal for the charger and the rechargeable batteries to become warm during recharging.

Batteries

- For best performance and optimal safety, charge the included batteries.
- It is often necessary to cycle new or deeply discharged NiMH batteries two or three times before they reach peak performance. To cycle the batteries, simply use them as you normally would and then recharge them.

Compliance with FCC rules (USA only)

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures;

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Canada only

This Class B digital apparatus complies with Canadian ICES-003

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

A copy of the declaration of conformity can be found on the internet at www.audio-technica.com.

Installation & Operation

The chg004 is a 4-bay charger for SpectraPulse® transmitters using supplied rechargeable AA Nickel Metal Hydride (NiMH) batteries. The 4 charging bays hold either mtu101 Microphone Transmitters or mtu201 XLR Desk Stand Transmitters. The chg004 can also charge up to two mtu301 units.

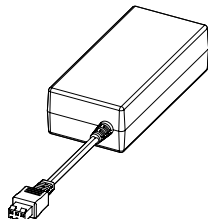
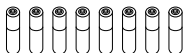
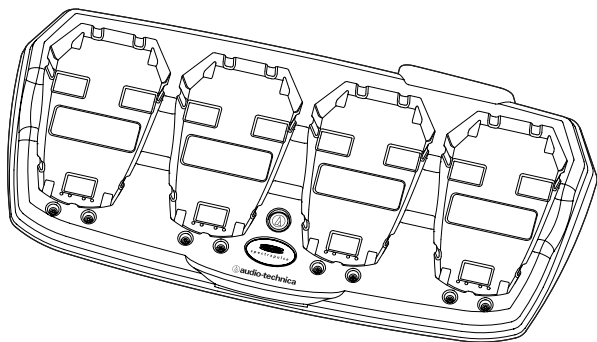
Charger Features

- Batteries are charged within the SpectraPulse Transmitters.
- Built-in safety feature monitors cell voltage and automatically stops charging if problems are detected.
- Automatically stops charging if alkaline (non-rechargeable) batteries are installed.
- Automatically stops charging if damaged batteries are installed.
- Maintenance charging prevents battery self-discharge until the transmitter is removed from charger.

WARNING: Do not use the chg004 Charger to charge batteries of other types besides NiMH or damage may result. If a transmitter with alkaline batteries is inserted for charging, the red error LED will light as a warning.

What's in the box:

- Chg004 Charger
- 8 NiMH AA batteries
- Wall adapter power supply
- Installation & Operation Manual



How to charge the mtu101 and/or mtu201:

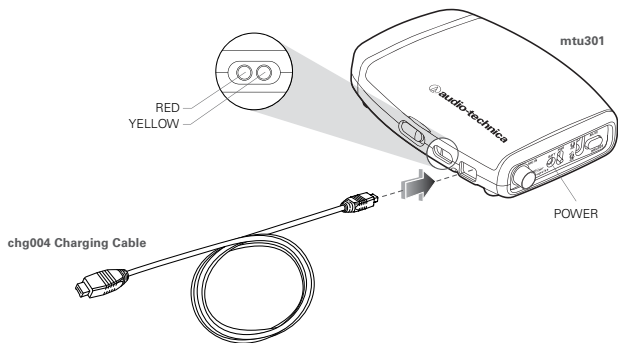
1. Set each transmitter's power switch to the off position.
2. Install the included NiMH AA batteries in each transmitter, observing correct polarity as marked inside the transmitter.
3. Plug the DC cable from the included wall-adapter power supply into the rear of the chg004; plug the other end of the power cord into a standard wall outlet.
4. Place the mtu101 and/or mtu201 units in charging bays as illustrated.
5. Each charging bay has two LEDs that indicate charging/error status:
 - Green/Yellow Charging Status LED is on the left
 - Red Error LED is on the right
6. When an mtu101 or mtu201 is placed in a charging bay, the Charging Status LED will blink green once and then turn yellow to indicate charging (or maintenance charge) is in progress.
7. When the Charging Status LED lights green, the batteries are fully charged and ready for use. You may use them immediately, or leave the units in the recharging station until next needed. The unit is equipped with maintenance charge ability; it monitors the battery voltage and recharges (tops off) as necessary until the transmitter is removed from the charger.

LED DISPLAY:		DESCRIPTION / FUNCTION:
Left LED	Right LED	
Off	Off	Charger bay empty or power not connected.
Green/Yellow	Off	Green blink, 1 time, then Yellow. mtu101 or mtu201 installed.
Yellow	Off	mtu101 or mtu201 are charging.
Yellow	Red	Temperature limits exceeded in charger.*
Off	Red	Battery problem. **
Green	Off	Batteries are fully charged and ready for use.

*If the Error LED (red) and Charging Status LED (yellow) are both illuminated, temperature limits have been exceeded in the charger. In this case, remove all mtu's from their charging bays, disconnect and then re-connect the power to the charger. The LED's should return to normal operation. If the problem persists, contact the Audio-Technica U.S. Service Department.

**Any red LED indication means the charge bay has stopped charging (effectively shut-down), so there is no danger or chance of damage to equipment. In the case of a red LED indication, remove the affected mtu's from their charging bays. Check that the supplied NiMH batteries are installed; change batteries if necessary and re-install into the charging bays. If the problem persists, contact the Audio-Technica U.S. Service Department.

How to charge the mtu301:

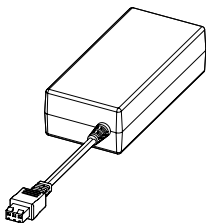


1. Set the transmitter's power switch to the off position.
2. Install the NiMH AA batteries (included with chg001) in the transmitter, observing correct polarity as marked inside the transmitter. For installation instructions, see the mtu301 operation manual.
3. Plug the DC cable from the included wall-adaptor power supply into the rear of the chg004; plug the other end of the power cord into a standard wall outlet.
4. Connect the mtu301 Body-pack Transmitter to the chg004 Charger via the charging cable as illustrated. **Note: Charging cable included with chg001; two mtu301 units can be charged simultaneously.**
5. The yellow LED on the side of the mtu301 illuminates to indicate charging is in progress. **Note: If the yellow LED does not light, check that the batteries are correctly installed in the mtu301.**
6. The red LED illuminates to indicate a charging system error. Causes include: non-NiMH batteries; failed batteries; incorrectly installed batteries; brief interruption in power.
7. When the charge is completed, the yellow indicator is turned off. **Note: Maximum charging time is about four hours.**
8. The unit is equipped with maintenance charge ability; it monitors the battery voltage and recharges (tops off) as necessary until the transmitter is unplugged from the charger.

chg004 Charger

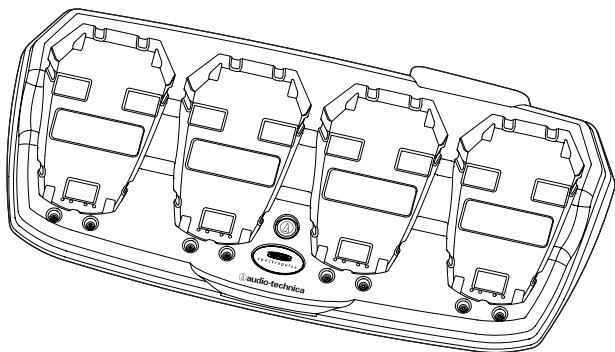
1. Power Supply

The chg004 Charger operates via the included safety-approved IEC power supply for connection to 110/240V AC 50/60Hz power. You must change to an approved power supply for operation in non-U.S. locations.



2. Recharging Stations

All four bays in the chg004 function as recharging stations.



Specifications*

Input rating	12 VDC, 5A (max)
Charging time	Approx. 4 hours (2700 mAh Ni-MH)
Dimensions	416.05 mm (16.38") W x 196.85 mm (7.75") D x 40.64 mm (1.60") H
Weight	1.02 kg (2.25 lbs)
Included accessories	8 - 2700 mAh NiMH AA batteries

* Specifications are subject to change without notice.



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