

nexis 12 Way Charger



A 12 radio multi charger available across a wide range of radio makes and models

Made in the UK

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Charging Technology Company



Innovation  Quality  Value

Contents

- Nexis 12 way charging unit
- 12 polypropylene place tags
- 2 metre cable with right angled connector
- Certificate of conformity

Information on the disposal of old electrical and electronic equipment and batteries (applicable for EU countries that have adopted separate waste col-



Products and batteries with the symbol (crossed out wheeled bin) cannot be disposed of in household waste. Old electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste by-products. Contact your local authority for details in locating a recycle facility nearest to you. Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.



Place Tags



12 white polypropylene place tags are included with the unit. These slot into the back of each Pod if required.

Use a permanent marker to write on the place tags. More name tags are available from RADIOTRONICS.

Pod & Adaptor Technology

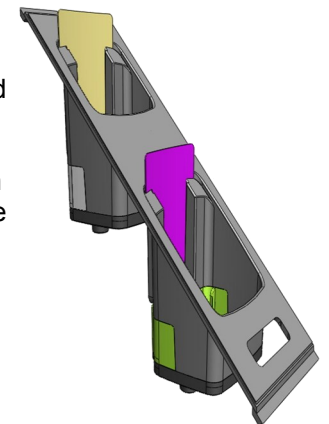
The Nexis 12 way charger uses an innovative pod adaptor system.

Hence changing radio makes and model does not mean purchasing a new charging unit, simply change the adaptors.

It is even possible to charge different radios within the same unit as the built in microprocessors will detect the change in adaptors, identify the radio model and battery type and provide the appropriate charging cycle.

For bespoke units that can charge a combination of radio models or to upgrade a unit simply talk to RADIOTRONICS.

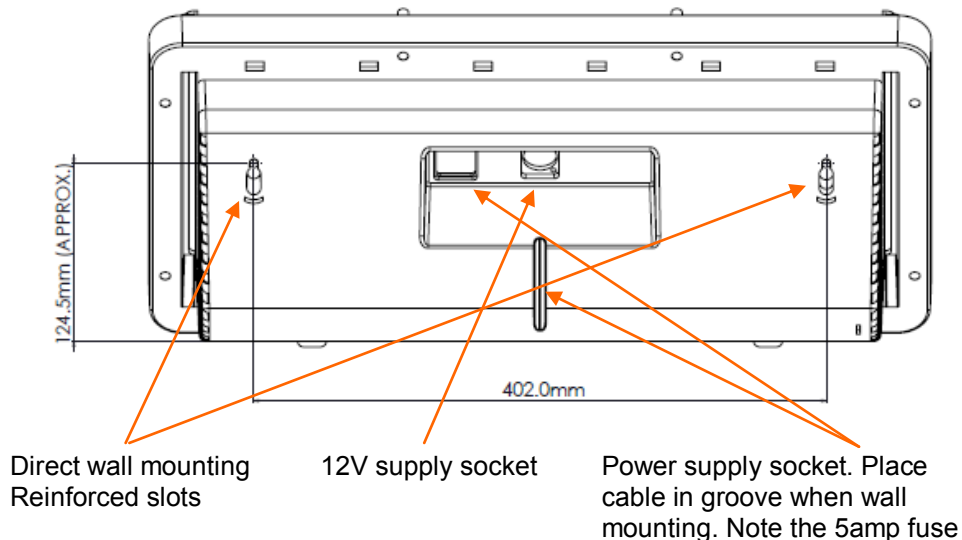
The units comes with a comprehensive two year guarantee. The unit is also fully serviceable with all parts available ex stock. Any servicing must be carried out by RADIOTRONICS or NEXIS or the warranty will be void.



Specifications

AC Voltages	100-240 V AC
DC Voltage using 12volt car outlet	12 V DC
Dimensions W x H x D	545mm x 250mm x 240mm
Weight	Approx 5.1 Kg
Cable	2 metre length right angle connector

Wall or Desk Mounting



This 12 way charging unit occupies a footprint very similar to that of a standard competitive 6 way charger. The unit can be desk or wall mounted. No further unit fixings are required for wall mounting. There are 2 points for screw fixings. We can accept no responsibility for the type of fixings or the surface used for wall mounting. Or the stability of the unit when secured in position. Wall mounting is entirely at the user's risk.

Important Safety Instructions

This document contains important safety and operating instructions. Please read them carefully before operating the unit.



Before using the battery charger read all the instructions and cautionary markings on the charger, battery and two way radio

To reduce the risk of injury only use the radio model specified for this charger and the manufacturer recommended batteries

To reduce the risk of damage to the electric cord disconnect the charger from the mains supply using the plug do not pull on the cord

Do not use an extension cord it may result in the risk of fire or electric shock

The Nexis charger can only be repaired by a qualified service technician approved by NEXIS. Any unauthorised repair will void the warranty.

To reduce the risk of electric shock always unplug the charger from the mains supply before maintenance or cleaning

Do not operate the charger if it has been broken or damaged in any way. It must be checked by a qualified technician.

Safety Guidelines

- ⊗ Turn the radio off when charging the battery
- ⊗ Not suitable for outdoor use. Use only in dry conditions
- ⊗ This charger unit is not designed to withstand heavy impacts or dropping, damage or injury may be incurred
- ⊗ Do not expose the charger to rain or moisture
- ⊗ If the transceiver and battery pack are wet do not put them in the charger, doing so may cause damage
- ⊗ Connect the equipment to an appropriately fused and wired supply of the correct voltage using the cord supplied
- ⊗ Disconnect the line voltage by removing the plug from the power supply
- ⊗ Always unplug the charger from the power supply when performing maintenance operations this reduces the risk of electric shock
- ⊗ Do not block the side ventilation points this may result in smoke or fire
- ⊗ Keep the charger away from flammable objects
- ⊗ Do not operate the charger if it has been dropped or knocked in any way to reduce the risk of fire, electric shock or injury
- ⊗ Do not use the charger in hot or humid environments or in direct sunlight
- ⊗ Maximum ambient temperature around the charger must not exceed 40°C (104° F)
- ⊗ Make sure the cord is located where it will not be stepped on, tripped over, or subjected to water damage or stress

- Do not use the charger if any liquids have been spilt over it, this may cause smoke, fire or other damage
- Do not short the charging terminals with metal objects
- Do not use solvents such as Benzene or paint thinner to clean the charger

Operating Instructions

The charger can be used to charge the appropriate Lithium Ion and Ni-MH batteries only. The charger will auto detect the battery chemistry. NI-MH batteries require a top off (or trickle) charge which may lengthen the charging cycle even though the battery is more than 90% charged.

The charger will operate with 240 volt, 110 volt and 12 volt power supplies. In each case the appropriate power cord must be used. The rear of the charger has a specific 12 volt outlet. From here a 12 volt power cord can be plugged into a car 12 volt outlet. Please note, the charger will quickly drain a car battery unless it is continually recharged.

The charger will fully charge 12 typical 1400 mAh batteries in under 2 hours. This may vary dependent upon the ambient temperature, residual charge on the battery and lifecycle stage of the battery. Larger capacity batteries take longer.

Plug the female socket of AC power cord into the back of the charger. Then put the AC plug into an AC outlet. Depress the push switch in the right hand corner of the unit. The charging indicators will flash momentarily to acknowledge that the charger is operational.

Insert a battery or battery with radio (**with the radio turned off**) into the charging pod by;

- Pushing the battery up against the back of the pod
- Aligning the male guide rails and female grooves of the battery and pod
- Sliding the battery down into the rear of the pod until the contacts of the battery and charger meet and the battery is sitting firmly on the base of the pod

Once the battery is properly seated in the pod a number of different lighting sequences are possible, please refer to the next section for details.

To remove a battery use one hand to support the charger and the other to remove the radio or battery. Do not leave batteries in the charger when the charger is turned off. Some batteries will discharge through the charger under these circumstances.

LED Display Sequences



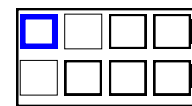
There are 12 LED displays, each has 4 indicators.

The top LED display applies to the top pod

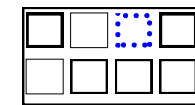
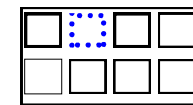
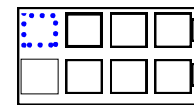
The bottom LED display applies to the bottom pod

The first 3 LED's are blue and will display as a solid colour or flash intermittently dependent upon the condition of the battery. The fourth LED is green and indicates a fully charged battery.

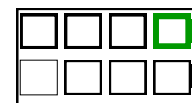
When the charger is powered all of the LED displays will flash briefly to signal that the unit is Operational



The 1st indicator is solid blue for up to 2 minutes whilst the condition of the battery and the optimum charging cycle is determined. If the battery is faulty or the temperature is too low or high for the battery to charge the 1st indicator will flash.



The 1st, 2nd, and 3rd indicators will flash blue in sequence during the rapid charging cycle.



The 4th indicator will display a green light when the battery is fully charged or in trickle charge phase for NiMh batteries.

Once the battery is fully charged the 4th LED will remain green but no further power is supplied to the battery