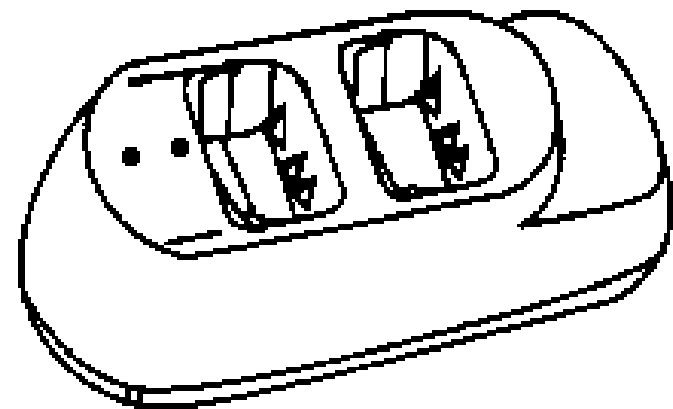


# **MFJ-641 K**

**RAPID BATTERY CHARGER**

**FOR MOST KENWOOD MODELS**



# FULL 12 MONTH WARRANTY

MFJ Enterprises, Inc. Warrants to the original owner of this product, if manufactured by MFJ Enterprises, Inc. and purchased from an authorized dealer or directly from MFJ Enterprises, Inc. to be free from defects in material and workmanship for a period of 12 months from date of purchase provided the following terms of this warranty are satisfied.

1. The purchaser must retain the dated proof-of-purchase (bill of sale, canceled check, credit card or money order receipt, etc.) describing the product to establish the validity of the warranty claim and submit the original of machine reproduction or such proof-of-purchase to MFJ Enterprises, Inc. at the time of warranty service. MFJ Enterprises, Inc. shall have the discretion to deny warranty without dated proof-of-purchase. Any evidence of alteration, erasure, or forgery shall be cause to void any and all warranty terms immediately.
2. MFJ Enterprises, Inc. agrees to repair or replace at MFJ's option without charge to the original owner any defective product under warranty, provided the product is returned postage prepaid to MFJ Enterprises, Inc. with a personal check, cashiers check, or money order for \$7.00 covering postage and handling.
3. MFJ Enterprises, Inc. will supply replacement parts free of charge for any MFJ product under warranty upon request. A dated proof-of-purchase and a \$5.00 personal check, cashiers check, or money order must be provided to cover postage and handling.
4. This warranty is NOT void for owners who attempt to repair defective units. Technical consultation is available by calling (601) 323-5869.
5. This warranty does not apply to kits sold by or manufactured by MFJ Enterprises, Inc.
6. Wired and tested PC board products are covered by this warranty provided on the wired and tested PC board product is returned. Wired and tested PC boards installed in the owner's cabinet or connected to switches, jacks, or cables, etc. sent to MFJ Enterprises, Inc. will be returned at the owner's expense unrepaired.
7. Under no circumstances is MFJ Enterprises, Inc. liable for consequential damages to person or property by the use of any MFJ products.
8. Out-of-warranty Service: MFJ Enterprises, Inc. will repair any out-of-warranty product provided the unit is shipped prepaid. All repaired units will be shipped COD to the owner. Repair charges will be added to the COD fee unless other arrangements are made.
9. This warranty is given in lieu of any other warranty expressed or implied.
10. MFJ Enterprises, Inc. reserves the right to make changes or improvements in design or manufacture without incurring any obligation to install such changes upon any of the products previously manufactured.
11. All MFJ products to be serviced in-warranty or out-of-warranty should be addressed to MFJ Enterprises, Inc., 300 Industrial Park Road, Starkville, Mississippi 39759, USA and must be accompanied by a letter describing the problem in detail along with a copy of your dated proof-of-purchase.
12. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

# MFJ-641 K

## MFJ Rapid Battery Charger Instructions

Thank you for purchasing our Battery Charger. Please read the following information carefully before using the charger.

### INTRODUCTION:

The MFJ-641 K is a battery charger that can be used with both Ni-CD and Ni-MH battery packs for quick charging and automatic switching to trickle charging after the batteries have been fully charged.

The MFJ-641 K features an automatic voltage detection after the battery has been placed in the charging compartment (4.8 to 7.2V). In the normal quick charging mode, the MFJ-641 K uses a microprocessor and the  $-\Delta V$  principle to examine whether the battery is fully charged. When the battery is fully charged, the charger will automatically switch to trickle charging, thus overcharging can be avoided and the life of the battery can be prolonged. LED indicators show the status of the different charging stages.

### OPERATION:

1. Connect a DC adapter to a power outlet; connect the outlet of the DC adapter to the power connector of the quick charger. The charger is now ready for use.
2. Place the battery to be charged into the battery compartment in the charger. Charging Slot #1 is for quick charging, and Charging Slot #2 is for trickle charging. Make sure that the metal conductive parts on the battery make good contact with the metal plates inside the charging compartment.
3. In the normal quick charging mode, a new battery or a completely drained battery requires about one hour to charge completely.
4. The Quick Charger is suitable for charging any number of batteries inside a battery pack. If there are any damaged batteries inside the battery pack, the charger will not be able to detect this. If the voltage of a fully charged battery pack is less than the number of batteries multiplied by 1.2V, then the batteries in the battery pack are damaged.
5. The MFJ-641 K can charge two battery packs simultaneously. The charger will detect the status of the charging stages of the battery packs respectively and adjusts the charging mode accordingly. Charging Slot #1 will quick charge a battery pack and then automatically switch to the trickle charge mode when the battery is fully charged. Charging Slot #2 can only trickle charge a battery pack.

## LED INDICATORS

Red LED indicator 1 - The red LED indicator will be on continuously when No. 1 battery pack is in the quick charging mode. This LED will flash when the battery pack is fully charged indicating a trickle charging status.

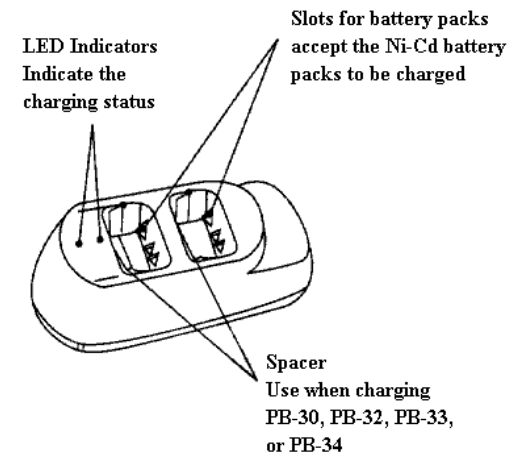
Red LED indicator 2 - The red LED indicator will be on continuously when No. 2 battery pack is inserted into the charging slot. This indicates the charger is in trickle charging mode.

## BATTERY PACKS

Charge only the Ni-Cd and Ni-MH rechargeable battery packs listed below. Other types of batteries may burst open causing personal injury.

List of battery packs that the MFJ-641 K will charge:

- PB-30
- PB-32
- PB-33
- PB-34
- PB-6
- PB-9
- KNB-5
- KNB-5A
- KNB-9A
- PB-7
- KNB-6
- KNB-6A
- PB-8
- PB-11
- KNB-7
- KNB-7A



## PRECAUTIONS

1. Do not touch any metal parts inside the charger when the charger is on.
2. Avoid placing the charger in direct sunlight and provide good ventilation during the charging process.
3. Never leave the battery pack inside the charging compartment for over 12 hours.
4. Unplug the power cord when the charger is not in use.
5. Please be sure that the battery is totally depleted of charge before charging, otherwise MEMORY EFFECT will affect the life of the battery.