

Thank you for purchasing this charger. This product will offer years of reliable service when used to charge the specified battery packs.

FEATURES

- Capable of charging Li-ion, Ni-Cd, and Ni-MH battery packs when either attached to or removed from the transceiver.
- Easy to use design allows you to start charging by simply sliding the battery pack into the charger slot.
- Overcharge protection. Protects against reduced battery pack life caused by excessive charging. After the rapid charge cycle has finished, the charger automatically switches to trickle charge (Ni-Cd and Ni-MH).
- Dual-color indicator informs you of the current charging status.

SUPPLIED EQUIPMENT

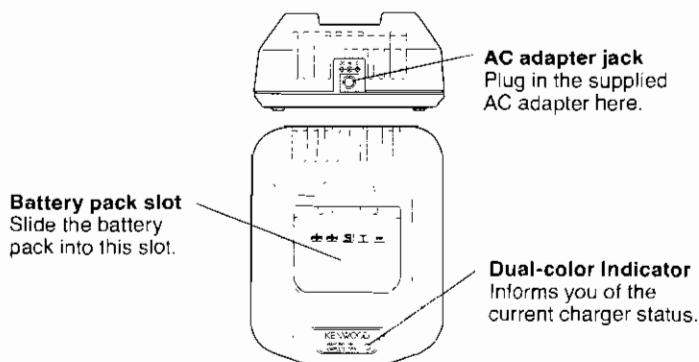
Item	Parts number	Quantity
Rapid charger	—	1
AC adapter	W08-1058-XX	1
AC power cable	—	1
Instruction manual	B62-2060-XX	1

APPLICABLE BATTERY PACKS

Charge only the battery packs listed below. Other types of batteries may burst, causing personal injury.

- Li-ion: KNB-24L (7.4 V, 1400 mAh)
KNB-35L (7.4 V, 1950 mAh)
- Ni-Cd: KNB-25A (7.2 V, 1200 mAh)
- Ni-MH: KNB-26N (7.2 V, 2000 mAh)

ORIENTATION



SPECIFICATIONS

AC Voltages	100 - 240 V
Dimensions (W x H x D) (charger only)	105 x 55 x 135 mm 4 1/8 x 2 11/64 x 5 5/16 inches
Weight (charger only)	Approx. 180 g/ 6.4 oz

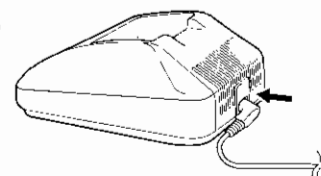
ATTENTION: Check the rating label attached to the bottom of the charger for other important specifications.

CHARGING PROCEDURE

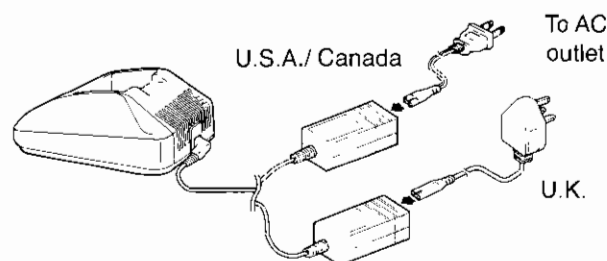
WARNING: Do not use in explosive atmospheres (gases, dust, fumes, etc.).

ATTENTION: Always switch OFF a transceiver equipped with a battery pack before inserting the transceiver into the charger.

- 1 Plug the AC adapter cable into the adapter jack located on the rear of the charger.

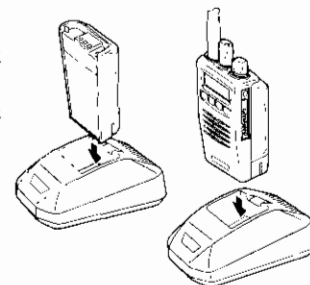


- 2 Plug the AC adapter into an AC outlet.



- 3 Slide a battery pack or a transceiver equipped with a battery pack into the battery pack slot.

- Make sure the metal contacts of the battery pack mate securely with the charger terminals.
- The indicator lights and charging starts.



Note: When charging a transceiver with a Li-ion battery pack, the safety catch of the battery pack may stick out past the battery. When inserting the transceiver with the battery pack into the charger, the safety catch will touch the metal contacts of the charger and the charger LED will momentarily light red. Be sure to push the transceiver fully into the battery pack slot so the safety catch no longer touches the charger terminals. Once in place, the battery pack will begin charging.

- 4 When charging is completed, the indicator lights green. Remove the battery pack or the transceiver from the battery pack slot.
 - When the charger will not be used for a long time, unplug the AC adapter from the AC outlet.
 - When charging a second battery pack, wait for approximately 10 seconds after removing the first battery pack from the charger. If the LED blinks red after installing the second battery pack, remove the battery pack and wait for a few seconds before inserting it again.

Approximate Charging Times

Battery Pack	Voltage	Battery Capacity	Charging Time
KNB-24L	7.4 V	1400 mAh	150 minutes
KNB-25A	7.2 V	1200 mAh	70 minutes
KNB-26N	7.2 V	2000 mAh	120 minutes
KNB-35L	7.4 V	1950 mAh	170 minutes

CHARGING TIPS

- Using the transceiver while charging its battery pack will interfere with correct charging.
- If the operating time of a battery pack decreases although the battery pack is fully and correctly charged, the battery pack life is over. Replace the battery pack.
- The ambient temperature should be from 5°C (41°F) to 40°C (104°F) while charging is in progress.
- The charging times provided are obtained when a battery pack discharged to 1 V/cell x 6 (Ni-Cd and Ni-MH) or 3 V/cell x 2 (Li-ion) is charged at normal temperatures. This charging time varies depending on the degree of discharge and the ambient charging temperature.
- This charger may be suitable to charge battery packs not listed herein, due to further technology development. Check your transceiver Instruction Manual to confirm whether this charger is suitable for your battery pack.
- If the battery pack contacts are not properly mated with the charger terminals, the indicator may blink red or may remain unlit. To resolve this problem, reinsert the battery pack after cleaning the battery pack contacts and the charger terminals.
- **Ni-Cd and Ni-MH Only:** Repeatedly recharging a fully charged battery pack, or almost fully charged pack, shortens its operating time. To resolve this problem, use the pack until it is completely discharged, then recharge the pack to full capacity.
- **Ni-Cd and Ni-MH Only:** The battery life in charge/discharge cycles is approximately 300. However, overcharging and excessive discharging shortens the battery pack life.

Charger Status Table

Indicator Color	Meaning
Red	A battery pack is in the battery pack slot and charging has started.
Blinking Red	The battery pack is defective or the battery pack contacts are not properly mated with those of the charger.
Green	Charging is completed; remove the battery pack from the charger.

One or more of the following statements may be applicable to this equipment.

FCC WARNING

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

INFORMATION TO THE DIGITAL DEVICE USER REQUIRED BY THE FCC

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 generate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.

SAFETY PRECAUTIONS

Please read all safety instructions before using this charger. For best results, be aware of all warnings on the charger, the battery pack, and the product using the battery pack. Follow the provided operating instructions, and retain them for future reference.

- Do not disassemble the charger. Incorrect reassembly can cause fire or electric shock.
- Use of an attachment not recommended by nor sold by **Kenwood** can cause fire, electric shock, or injury.
- Do not expose the charger to rain or moisture, to avoid the risk of fire or electric shock.
- Do not use an extension cable unless absolutely necessary. Improper extension cables can cause fire or electric shock. If an extension cable is required, observe the following points:
 - a) The quantity, size, and shape of pins on the extension cable plugs must be the same as on the AC adapter supplied with the charger.
 - b) The extension cable must be properly wired and in good electrical condition.
 - c) The wire size must be adequate to carry the current required by this charger.
 - Extension cables shorter than 100 feet:
 - Wire size must be 18 AWG or larger
 - Extension cables 100 to 150 feet, inclusive:
 - Wire size must be 16 AWG or larger
- Always remove the AC adapter from a wall outlet before attempting to inspect or clean the charger. Removing the battery packs or changing the controls does not remove the AC voltage from the charger.
- Position the AC adapter cable so it will not be stepped on, tripped over, nor subjected to damage.
- Always remove the AC adapter from an AC wall outlet by pulling on the adapter rather than the cable.
- Do not use the charger if it has a damaged AC adapter or adapter cable, or if the charger has been damaged in any way. Contact your **Kenwood** dealer to replace or repair the damaged part.
- Prevent strong impacts, such as caused by dropping, since the charger can be damaged.
- Do not use the charger in hot or humid environments, in direct sunlight, nor near heaters.
- Do not use solvents such as benzene or paint thinner to clean the charger.
- Use only the supplied AC adapter.
- For safety reasons, we recommend that the AC adapter should be connected to an easily accessible AC socket.