

KENWOOD

Kenwood U.S.A. Corporation
Communications Sector

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(Charging cups pictured not included with KMB-27 Power Source)

KMB-27

MULTIPLE CHARGER POWER SOURCE INSTRUCTION MANUAL

The KMB-27 is a power source for chargers, and is a compact steel rack unit which can hold up to six KENWOOD desk-top chargers, models KSC-28 or KSC-37 (not mixed). The KMB-27 is a UL listed I.T.E. power source, is certified to UL and CSA safety standards, and is provided with a three-wire grounded power cord for 120V AC operation. The KMB-27 is intended for desktop or shelf mounted installation, in weather-protected, dry locations (indoors only). Optionally; 2 units may be fastened side by side using supplied hardware.

BEFORE APPLYING POWER

IMPORTANT! This unit is designed for 120V AC operation, only.

WARNING!



1. To prevent fire or electrical shock, DO NOT expose this appliance to rain or moisture.
2. No user serviceable parts inside. Refer service to a qualified service organization.
3. To avoid the risk of electric shock, under no circumstance should the unit be opened. There are no user adjustments inside.
4. Do not connect, disconnect, or operate the supply in a damp or wet location.
5. Do not pull the power cord to disconnect the supply. Grasp the plug with dry fingers, taking care not to touch the "live" pins.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

1. This Manual contains important safety and operating instructions for the KMB-27 power source.
2. Before using this power source, read all instructions and cautionary markings on the (1) power source, (2) battery charger, (3) battery, and (4) the product using the battery.
3. **CAUTION:** To reduce the risk of injury or equipment damage, use with only the specifically recommended rechargeable battery pack models in their Kenwood chargers. Other types of batteries may burst causing personal injury and damage.
4. Do not recharge a battery if it is already fully charged. If you do this, you will overcharge the battery, and may shorten its life or damaged it.
5. After recharging the battery, remove it from the charger. If, having recharged the battery, the power to the power source is turned off and then back on while the battery is still connected, recharging will start again and the battery may be overcharged.
6. **POWER SOURCE LOCATION ENVIRONMENT:** Do not expose the power source to rain, snow, or moisture.
7. Use of an attachment not recommended or sold by KENWOOD may result in a risk of fire, electric shock, or injury.
8. To reduce the risk of damage to the electric plug and cord, grasp & pull the plug rather than the cord when disconnecting.
9. Make sure the cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress, or cause personal injury.

10. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and electric shock. If an extension cord must be used, make sure: a) That the pins on the extension cord plug are properly wired and in good electrical condition: and b) That the extension cord is properly wired and in good electrical condition: and c) That the wire size is large enough for this power source. For cord length within 100 feet or less, wire size should be not less than 18 AWG. For cord length within 150 feet or less, wire size should be not less than 16 AWG.
11. Do not operate the power source with a damaged cord or plug - replace the KMB-27 immediately.
12. Do not operate the power source if it has received a potentially damaging sharp blow, has been dropped, or has otherwise been damaged in any way: Take it to a qualified serviceman.
13. Do not disassemble the power source, or any Kenwood adapters or accessories. Take it to a qualified serviceman when service or repair is required. Incorrect re-assembly may result in the risk of electric shock or fire.
14. To reduce the risk of electric shock, unplug the power source from the AC power outlet before attempting any maintenance or cleaning. Turning off controls will not reduce the risk of shock or fire; the plug must be removed from the AC outlet.

1. INSTALLATION & OPERATION

The following explicit definitions apply in this manual:

WARNING: Do not disregard. Personal injury may occur.

CAUTION: Do not disregard. Equipment damage may occur.

NOTE: Inconvenience only if disregarded. No risk of equipment damage or personal injury.

FCC Part 15 Notice: This device complies with Part 15 of the 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

SUPPLIED ITEMS:

Locking Bar "A" for KSC-28 (larger bar)

Locking Bar "B" for KSC-37 (smaller bar)

2 Black Phillips #6-32 x 1/4" Machine Screws (For joining two or more KMB-27).

2 Black Phillips #6-32 x 3/8" Machine Screws (For Locking Bar).

Kenwood KMB-27 Instructions (warranty card not required)

COMBINING TWO CHARGER ADAPTORS

Two or more KMB-27 power sources can be joined side by side to accommodate several sets of radios. Captive nuts are on the right side (facing) and matching holes are on the left side of the KMB-27. Two extra black machine screws are provided to attach a second KMB-27. Attach the KMB-27 units **BEFORE** installing chargers.

ASSEMBLY

1. Optional; 2 units may be fastened side-by-side using 2 supplied black Phillips screws. Join the units before installing charger cups. Captive nuts are on the chassis sidewall right side (facing), & matching screw holes are on the left side.
2. Do not connect the AC line cord until after all chargers are installed, and the charger-locking bar is secured in position. Install up to six Kenwood KSC-28 OR KSC-37 chargers (do not mix chargers).
 - a) Unpack the charger cups (transformers will not be used) from each radio carton.
 - b) Install three chargers in the front row & three chargers in the top rear row with a DC power cord plugged in completely into each charger base. Slide the front edge of the bottom chargers under the KMB-27 front sloping edge.
 - c) Lock the chargers in place with either larger locking bar "A" (KSC-28), or smaller bar "B" (KSC-37) using the 2 supplied black Phillips machine screws. Be careful not to pinch any DC power cords when the bar is installed. (Store the unused locking bar for possible future use.)
3. Remove all packing material before operation. Do not block the vents.
4. Do not operate in or expose the KMB-27 power source to direct sunlight, heat, dampness, or precipitation.
5. Do not drop or insert conductive material, or any material, into the ventilation slots.
6. **NOTE:** Fully loaded with chargers, radios & batteries, the KMB-27 weighs up to approximately 8 pounds (3.6kg).
7. Desk- top location: **LIFT, DO NOT DRAG.** The KMB-27 weighs approximately 8 pounds (3.6kg) fully loaded. Skid marks may be left on the desk- top.

2. CONNECTION & OPERATION

CONNECTION: Connect the AC plug to an unswitched 120V AC power source only after all chargers are installed in the adapter and the charger locking bar is secured.

3. SPECIFICATIONS

Use:	Holds up to six KSC-28 (TK-3130, TK-3131) or KSC-37 (TK-3230) not mixed.
Dimensions:	10 9/16" W x 2 3/8" H x 9 1/2" D inches
Finish	Black powder coat
Material	18 Gauge CRS (Cold Rolled Steel)
Weight, loaded	8 lbs. (3.6kg) with chargers & radios
Temperature Range	10 to 35° C (50 to 95° F) Operating (Charging)
Power Requirement	120V AC, 60 Hz, 90W max.
Safety Approvals:	UL and CSA I.T. safety standards
Protection:	Internal fuse, not user accessible
Power Cord length	7 1/2'. AC Line Cord

NOTE: Ratings are subject to change without notice or obligation due to advancements in technology.

4. CLEANING: Disconnect AC power. Do not use any kind of solvent or abrasive. Use only a water dampened, soft cloth to wipe the unit. Dry the unit before reconnecting AC power.

5. SERVICE

1. Retain your bill of sale as proof of purchase.
2. If an abnormal odor or smoke is detected, immediately disconnect the AC cord.
3. Determine if the trouble is a single charger cup or the KMB-27 power source. If the problem is a charger cup, contact your dealer or Kenwood for charger cup replacement instructions.
4. Pack the defective KMB-27 in the original, or an equivalent box & packing. Include a note explaining the reason service is required. Provide your name, shipping address, phone number(s) & email address so that we may contact you, if required.
5. Call for a return authorization number; 951.699.1270 ext 174
6. Ship the defective KMB-27 to:
Tamura Corp of America
C/O Baja Freight
8662 Siempre Viva Rd
San Diego CA 92154

MAINTENANCE INSTRUCTIONS

1. Do not use the KMB-27 power source in high-temperature >35° C (95° F) or high humidity environments, in direct sunlight, or near a heater.
2. Do not subject this charger adapter to undue vibrations or physical impact.
3. Make sure that the battery pack(s) or radios are properly installed and connected.
4. Clean the charger adapter with a soft cloth.
5. NEVER use solvents, such as thinner and benzene, for cleaning.

WARRANTY STATEMENT, KENWOOD KMB-27 KENWOOD COMMUNICATIONS LIMITED WARRANTY ON LAND MOBILE RADIOS & ACCESSORIES

Kenwood Communications ("Kenwood") warrants its Land Mobile Radios & accessories as follows:

HOW LONG IS THE WARRANTY

This Warranty will remain in effect for one (1) year for accessories, measured from the date of purchase by the first end user.

WHO IS PROTECTED

This Warranty is enforceable only by the first end user.

WHAT IS COVERED AND WHAT IS NOT COVERED

Except as specified below, this Warranty covers all defects in materials and workmanship in Kenwood Land Mobile Radios & accessories. The following are not covered by the Warranty:

1. Damage, deterioration or failure resulting from:
 - A. Accident, misuse, abuse, neglect, unauthorized product modification or failure to follow instructions contained in your Owner's Manual.
 - B. Repair or attempted repair by anyone not authorized by Kenwood
 - C. Installation of parts or accessories that do not conform to the quality or specifications of the original parts or accessories.
 - D. Installation of the product in, or removal of the product from, the vehicle or other site of its use.
2. Damage or loss occurring during shipment of the product (claims must be presented to the carrier).
3. Any unit, which is not new when sold to the first end user or upon which the serial number has been defaced, modified or removed.

WHAT WE WILL PAY FOR AND WHAT YOU MUST PAY FOR

Kenwood will pay all labor and material expenses for items covered by this Warranty. If it is necessary to ship the product for Warranty service, you are responsible for the initial shipping charges, but we will pay the return shipping charges if the product is repaired or replaced under Warranty. You are responsible for any charges incurred in removing the product from the vehicle or other site of use and for reinstallation of the repaired or replaced product.

HOW TO OBTAIN WARRANTY SERVICE

This Kenwood Land Mobile Radio accessory may be serviced by Tamura Corp of America. Whenever the product is presented for warranty service, you must supply a sales receipt or other evidence of the date of purchase.

EXCLUSION OF IMPLIED WARRANTIES AND DAMAGES

Unless considered unlawful or unenforceable under applicable law:

- A. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.
- B. KENWOOD'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO REPAIR OR REPLACEMENT, AT KENWOOD'S OPTION, OF ANY DEFECTIVE PRODUCT, AND SHALL NOT INCLUDE DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.

This Warranty is enforceable only in the United States of America. Warranty Service must be obtained in the United States of America.

If a problem develops after the Limited Warranty Period, or if you have any questions regarding the operation of the product, you should contact your KENWOOD Authorized Dealer or Authorized Service Center. If the problem or your question is not handled to your satisfaction, please contact our Customer Relations Department at the address listed below:

Kenwood U.S.A. Corporation, Service Division
P.O. Box 22745 2201 East Dominguez Street
Long Beach, CA 90801-5745 Phone 310.761.8275