

Thank you for purchasing an Icom BC-119 DESKTOP CHARGER. The BC-119, with an appropriate desktop charger adapter, rapidly charges Icom battery packs in approx. 1 to 1.5 hours.

See your transceiver's instruction manual for desktop charger adapter details.

### IMPORTANT

**READ ALL INSTRUCTIONS** carefully and completely before using the desktop charger.

**SAVE THESE INSTRUCTIONS!** These instructions contain important safety and operating details for the BC-119.

**WARNING!** To reduce the risk of injury, charge only specified Icom Ni-Cd/Ni-MH rechargeable battery packs. Other types of battery packs/cases may burst, causing damage and personal injury.

An appropriate desktop charger adapter **MUST** be purchased separately to charge your Icom battery packs.

### CAUTIONS

**IN DOOR USE only!** **NEVER** expose the desktop charger and the AC adapter to rain, snow or any liquids.

**NEVER** use the AC adapter for other purposes. The open-circuit voltage may exceed 16 V and may damage other equipment.

**NEVER** let metal, wire, etc., touch any internal part of the desktop charger.

**NEVER** use the desktop charger with the AC adapter when it is covered by objects which impede heat dispersal.

**NEVER** allow children to touch the desktop charger.

**AVOID** charging in extreme cold (under 0°C; +32°F) or extreme heat (over +40°C; +104°F). The battery pack may not charge fully under extreme temperatures.

Keep the desktop charger away from TV sets or radios to prevent interference.

When the operating period becomes extremely short after full charging, the battery pack has reached the end of its life and a new battery pack must be purchased.

**CE** The BC-119 Europe version complies with:

- Electromagnetic compatibility (89/336 EEC directive/CENELEC generic standard EN50 081-1 and EN50 082-1.
- Electrical safety (73/23/EEC directive/Type testing to EN60 950)

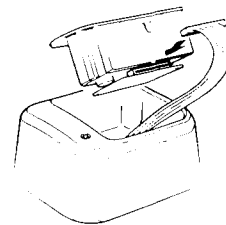
### DESKTOP CHARGER ADAPTER

There are 2 desktop charger adapter types for the BC-119. One has a PC board, the other does not. The non-PC board types require an additional PC board (AD-75). For some versions, the AD-75 is already installed in the BC-119. See the back page for details.

#### ◇ For the PC board types:

Connect the plugs of an appropriate desktop charger adapter and the BC-119, then install the adapter with the screws (supplied with the adapter). For some versions, the desktop charger adapter is already installed.

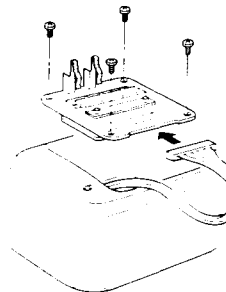
- Installing the PC board type adapter



#### ◇ For types requiring the AD-75:

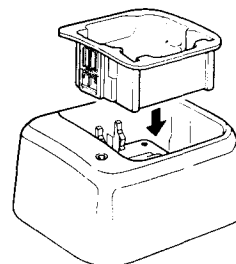
Install the optional AD-75 to the BC-119 with 4 screws (supplied with the AD-75), then attach a desktop charger adapter to the BC-119. See the transceiver's instruction manual for an approved desktop charger adapter.

- Installing the AD-75



After installing the AD-75, the BC-119 is compatible with the BC-79.

- Installing the non-PC board type adapter



# CHARGING OPERATION

## • Charging example

### CAUTION

The transceiver power **MUST** be turned **OFF** during charging otherwise:

- The battery will not be charged correctly.
- The battery life may be shortened.

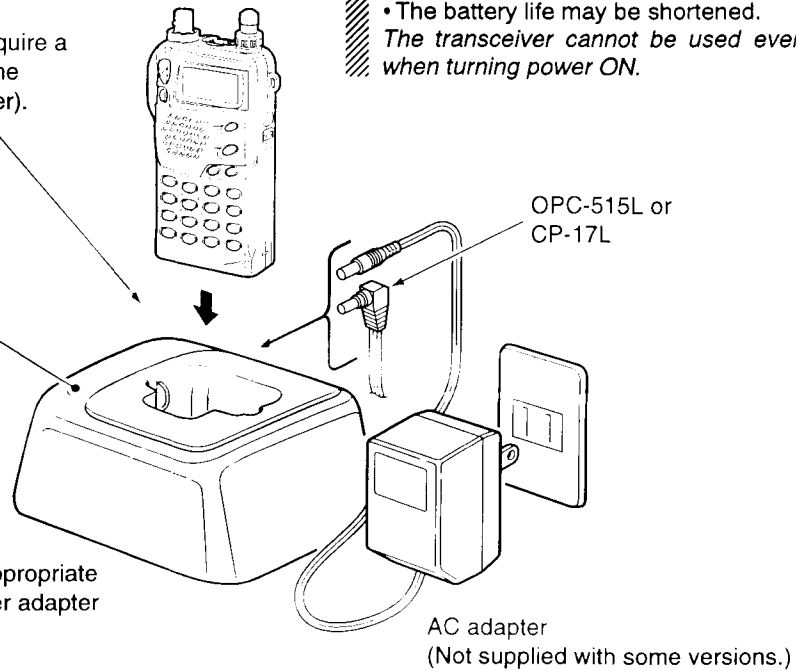
*The transceiver cannot be used even when turning power ON.*

Some battery packs require a spacer (supplied with the desktop charger adapter).

### CHARGE INDICATOR:

- Lights orange while charging.
- Lights green when charging is completed.
- Flashes orange when input voltage is low.
  - Check the power source.
- Flashes red when the protection circuit is activated.
  - There may be a problem with the battery pack (or charger). Re-insert the battery pack or contact your dealer.

BC-119 with appropriate desktop charger adapter



## DESKTOP CHARGER ADAPTERS

### With PC board

TRANSCEIVER	CHARGER ADAPTER	BATTERY PACK
IC-M1, IC-M1 EURO	AD-69	BP-185, BP-186
IC-M15, IC-GM1500	AD-68	CM-138, CM-139 CM-165
IC-F30/F40, IC-F35/F45	AD-67*	CM-140, CM-141, CM-142*
IC-F10, IC-F20, IC-M10	AD-66	BP-157/A, BP-160/R, BP-174
IC-F3/F4, IC-T2A/E	AD-81	BP-195, BP-196/R

\* The AD-67 has a temperature detection circuit for the Ni-HM battery. When the battery's temperature is outside the charging range, the charging indicator flashes and charging stops until the temperature returns within the range.

### Without PC-board (AD-75 is required)

TRANSCEIVER	CHARGER ADAPTER	BATTERY PACK
IC-T22A/E, IC-T42A/E, IC-T7A/E	AD-56+AD-75	BP-171-BP-173, BP-180
IC-Z1A/E, IC-W31A/E, IC-W32A/E	AD-51+AD-75	BP-171-BP-173, BP-180
IC-S21A/E, IC-S41A/E, IC-T21A/E, IC-T41A/E	AD-44+AD-75	BP-151-BP-153
IC-W21A/E, IC-W21AT/ET, IC-2GX series, IC-4GX series	AD-28+AD-75	BP-131/A, BP-132/A, BP-157/A, BP-160, BP-174
IC-Δ1A/E	AD-27+AD-75	BP-101-BP-103
IC-2iA/E, IC-4iA/E	AD-26+AD-75	BP-121-BP-124
IC-A3, IC-A22	AD-50+AD-75	CM-166

The BC-119 may be able to be used with future transceivers not listed above. See the transceiver instruction manual for the appropriate charger adapter information.