

Thank you for purchasing a RadioShack Universal Camcorder Battery Charger. Your charger uses advanced technology to charge and discharge your camcorder's rechargeable battery, and is compatible with many model battery packs (see the battery chart on Page 1).

To prevent your camcorder's battery from losing its ability to fully recharge, you must condition Ni-Cd and Ni-MH battery packs by discharging them every time you recharge them. (Lithium Ion battery packs for digital camcorders and digital cameras do not need to be discharged.) Normal battery chargers can only recharge a battery. This charger also lets you discharge your batteries, increasing your battery's efficiency and durability (see "Discharging a Rechargeable Battery" on Page 3).

Included items:

- Universal Battery Charger (6V)
- Additional Charging Adapters (3.6V, 4.8V, 7.2V)
- 120V AC Adapter
- Cigarette Lighter Adapter

CONNECTING ADAPTERS AND BATTERIES TO YOUR CHARGER

Your charger's main unit is designed to charge 6V rechargeable batteries. You can also charge 3.6V, 4.8V, and 7.2V rechargeable batteries using the supplied charging adapters. (The voltage is marked on the adapter.) You must remove any connected adapter before mounting another one.

Cautions:

- Charge only one rechargeable battery at a time.
- Do not try to mount a non-rechargeable battery on the charger, as it might damage the battery contacts.
- Do not try to charge non-rechargeable batteries, as they could explode.

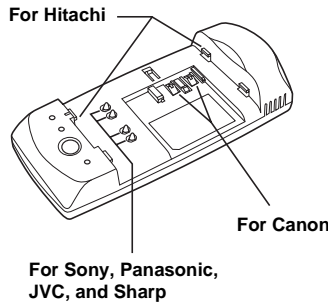
Use this chart to determine which batteries are compatible with your charger. Then see the page indicated for connection and charging instructions and follow the

instructions on Page 2 to connect AC or DC power.

Camcorder and Digital Camera Brands	Battery Model Number
6V Ni-CD, Ni-MH Batteries (Page 1)	
SONY, RICOH 8mm Camcorder	NP55, NP66, NP77, NP68, NP98
CANON 8mm Camcorder	BP711, BP718, BP729, E77, BP-E722
HITACHI, RCA 8mm Camcorder	VM-BP82, VM-BP83
Panasonic, JVC VHS-C	PV-BP15, PV-BP17
Two way fits Sony/Sharp, Panasonic/JVC	NP55, NP66, NP77, NP68, NP98 PV-BP15, PV-BP17
3.6V Li-Ion Batteries (Page 1)	
Fujifilm, Ricoh, Kodak digital camera	NP-80, DB-20, KLIC-3000
Canon digital camera	NB1L
Sony Digicam	NP-FS11, NP-FS21, NP-FS31
JVC Digicam	BN-V714U
4.8V Ni-CD, Ni-MH Batteries (Page 2)	
Panasonic, JVC VHS	VW-VBS10, VW-VBS20
7.2V Li-Ion Batteries (Page 2)	
Sony Digicam	NP-F500, NP-F550, NP-F730, NP-F750, NP-950, NP-FM50, NP-FM70, NP-FM90
Panasonic Digicam	VW-VBD1E
Victor Digicam	BN-V812
Canon Digicam	BP-911, BP-924 BP-80, BP-85

6V Ni-CD, Ni-MH Batteries

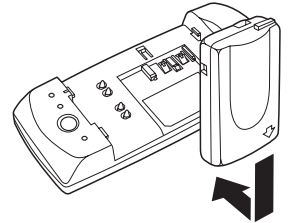
The charging slot for 6V batteries is on the body of the charger, so you do not need to mount an adapter.



The main charging slot has three sets of contacts for camcorder batteries — one for Canon, one for Sony, Panasonic, JVC or Sharp, and one for Hitachi.

To charge Canon batteries:

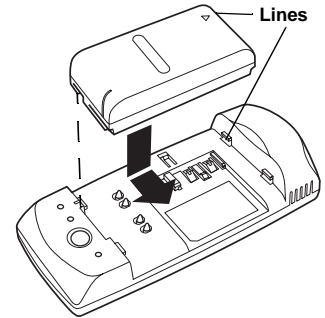
1. Position the battery vertically with the arrow pointing down as shown.



2. Slide the battery to the left until its charging contacts touch the battery terminals on the charging slot.

To charge Sony, Panasonic, JVC, Sharp, or Hitachi batteries:

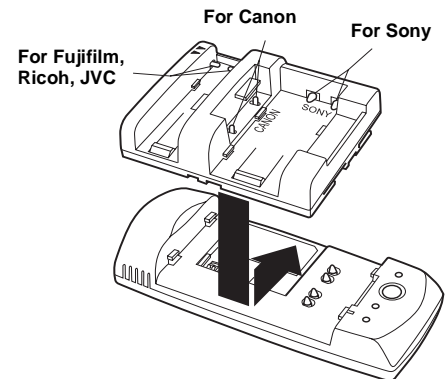
1. Position the battery with the arrow pointing up.



2. Align the recessed vertical line on the battery's upper left side with the recessed vertical line on the upper left side of the charging slot.
3. Push the battery down and to the right until it clicks into place.

3.6V Li-Ion Batteries

1. Mount the 3.6V charging adapter by aligning its right edge with the red indicator.

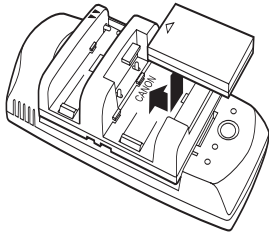


2. Push down and to the right until it clicks into place.

Note: To ensure proper contact between the charger's and the battery's contacts, push the battery toward the charger's contacts until it is secure.

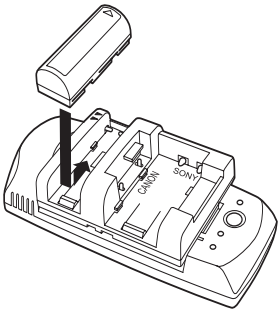
To charge Canon batteries:

1. Position the battery so the arrow faces up.
2. Push the battery down into the lower charging slot and slide it forward until it clicks into place.



To charge Fujifilm, Ricoh, JVC, and Kodak batteries:

1. Position the battery so the arrow faces up.
2. For Fujifilm, Ricoh, and Kodak batteries, align the top edge of the battery with the upper arrow on the left side of the charging slot.

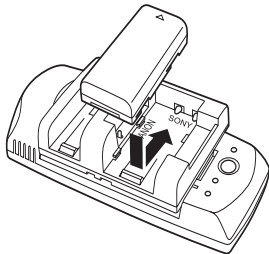


For JVC batteries, align the top edge of the battery with the lower arrow on the left side of the charging slot.

3. Push the battery down and forward until it clicks into place.

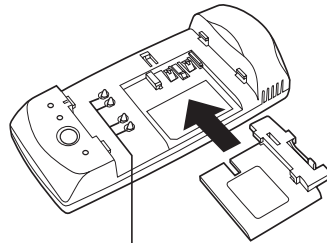
To charge Sony battery packs:

1. Position the battery with the arrow facing up.
2. Push the battery down and forward until it clicks into place.



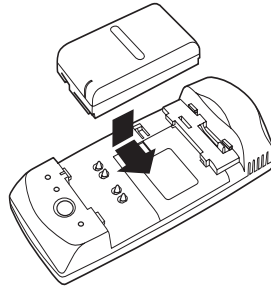
4.8V Ni-Cd, Ni-MH Batteries

1. Position the 4.8V charging adapter over the charging slot.



For Panasonic/JVC

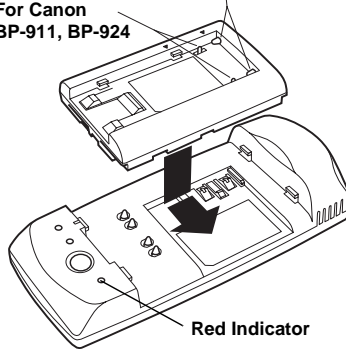
2. Push the adapter down and to the left until it clicks into place.
3. Position the battery over the charging slot so the recessed vertical line at the battery's lower left side is aligned with the recessed vertical line at the lower left of the charging adapter.
4. Push the battery down and to the right until it clicks into place.



7.2V Li-Ion Batteries

1. Mount the 7.2V charging adapter by aligning the adapter's right edge with the red indicator.

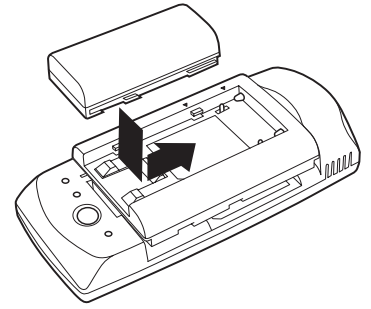
For Sony, Panasonic, Canon, Victor
For Canon BP-911, BP-924



2. Push the adapter down and to the right until it clicks into place.

To charge Canon Digicam BP-911 and BP-924 battery packs:

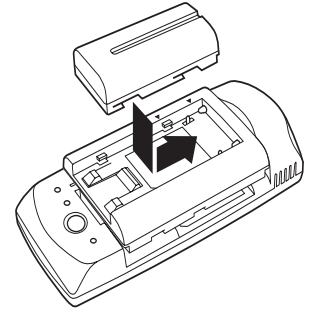
1. Align the battery's top edge with the lower arrow at the left side of the charging slots.



2. Push the battery down and forward until it clicks into place.

To charge Canon Digicam BP-80 and BP-85, Sony, Panasonic, or Victor batteries:

1. Align the battery's top edge with the upper arrow at the left side of the charging slot.
2. Push the battery down and forward until it clicks into place.



CONNECTING POWER

You can power the charger from an AC outlet or your vehicle's battery power using the supplied AC or DC adapter.

Cautions:



You must use a (Class 2 for AC) power source that supplies 12V DC and delivers at least 1 amp. Its center tip must be set to positive and its plug must fit the charger's DC 12V jack. The supplied adapters meet these specifications. Using an adapter that does not meet these specifications could damage the charger or the adapter.

- Always connect the adapter to the charger before you plug it into the power source, and unplug the adapter from the power source before you unplug it from the charger.
- Before plugging the cigarette-lighter adapter's plug into your vehicle's cigarette-lighter socket, make sure the

knurled nut is screwed firmly onto the plug.

1. Plug the supplied adapter's barrel plug into the charger's **DC 12V** jack.
2. Plug the other end of the adapter into the power source. When power is connected, the red indicator lights.

The green indicator lights when the battery is charging. When the battery is fully charged, the green indicator flashes.
3. Remove the battery from the charger.

DISCHARGING A RECHARGEABLE BATTERY

To prevent your Ni-CD or Ni-MH battery from losing its ability to fully recharge, you must condition it by discharging it before every time you charge it.

1. Attach the appropriate adapter and battery to the charger.
2. Connect the charger to either an AC or DC power source, then press **CONDITION** to discharge the remaining power in the battery.

The yellow indicator lights when the battery is discharging. When discharging is complete, the charger automatically starts charging, and the green indicator lights.

Note: You can press **CONDITION** again to charge the battery before it is completely discharged, but this is not recommended.

3. When the battery is fully charged, the green indicator flashes. Disconnect power and remove the battery.

CHANGING THE CIGARETTE LIGHTER ADAPTER'S FUSE

If the charger does not work using vehicle battery power, the charger's fuse might be blown. If the fuse is blown, replace it with a 1.5 Amp fast-blow fuse.

Note: Before you replace the charger's fuse, make sure the vehicle's cigarette-lighter fuse is not blown.

1. Unscrew the knurled nut from the cigarette lighter plug on the adapter.
2. Pull out the adapter's tip and fuse.
3. If the fuse is blown, replace it with a 1.5 Amp fast-blow fuse.

Caution: Using a slow-blow fuse or a fuse with a higher current rating might damage the charger or your rechargeable battery.

4. Replace the knurled nut.

Caution: Do not use pliers to tighten the nut. Use only your fingers to ensure you do not overtighten it.

CARE

Keep the charger dry; if it gets wet, wipe it dry immediately. Use and store the charger only in normal temperature environments. Handle the charger carefully; do not drop it. Keep the charger away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the charger's internal components can cause a malfunction and might invalidate its warranty. If your charger is not performing as it should, take it to your local RadioShack store for assistance.

SPECIFICATIONS

Battery type	Li-Ion, Ni-MH, Ni-Cd
Battery voltage	3.6V, 4.8V, 6V and 7.2V
Input Power	12VDC, 1 Amp
Charging Mode	0 Δ Volt and – Δ Volt
<i>Charging Rate:</i>	
Ni-CD, Ni-MH	800 – 1000mA
Li-Ion	400 – 600mA
Discharging Current (Ni-CD, Ni-MH)	110 – 250mA

Dimensions and Weight

Main unit

Dimension 6 × 2¹¹/₁₆ × 1³/₁₆ Inches
(152 × 68 × 30mm)

Weight 4.3 oz. (122g)

4.8V adapter

Dimension 2³/₈ × 2⁵/₁₆ × 9⁹/₃₂ Inches
(61 × 58 × 7mm)

Weight 0.01 oz. (8g)

7.2V adapter

Dimension 3⁹/₁₆ × 2¹⁷/₃₂ × 5⁵/₈ Inches
(89.4 × 64 × 16mm)

Weight 1.16 oz. (33g)

3.6V adapter

Dimension 3⁹/₁₆ × 2¹⁷/₃₂ × 1³/₁₆ Inches
(89.4 × 64 × 30.5mm)

Weight 59 oz. (45g)

Accessories

AC Adapter (for 4.8V, 3.6V and 7.2V)

Input 120V AC, 60Hz

Output 12V DC 1 Amp

1 Amp Cigarette Lighter Adapter

Input 12V DC

Output 12V DC

Specifications are typical, individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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