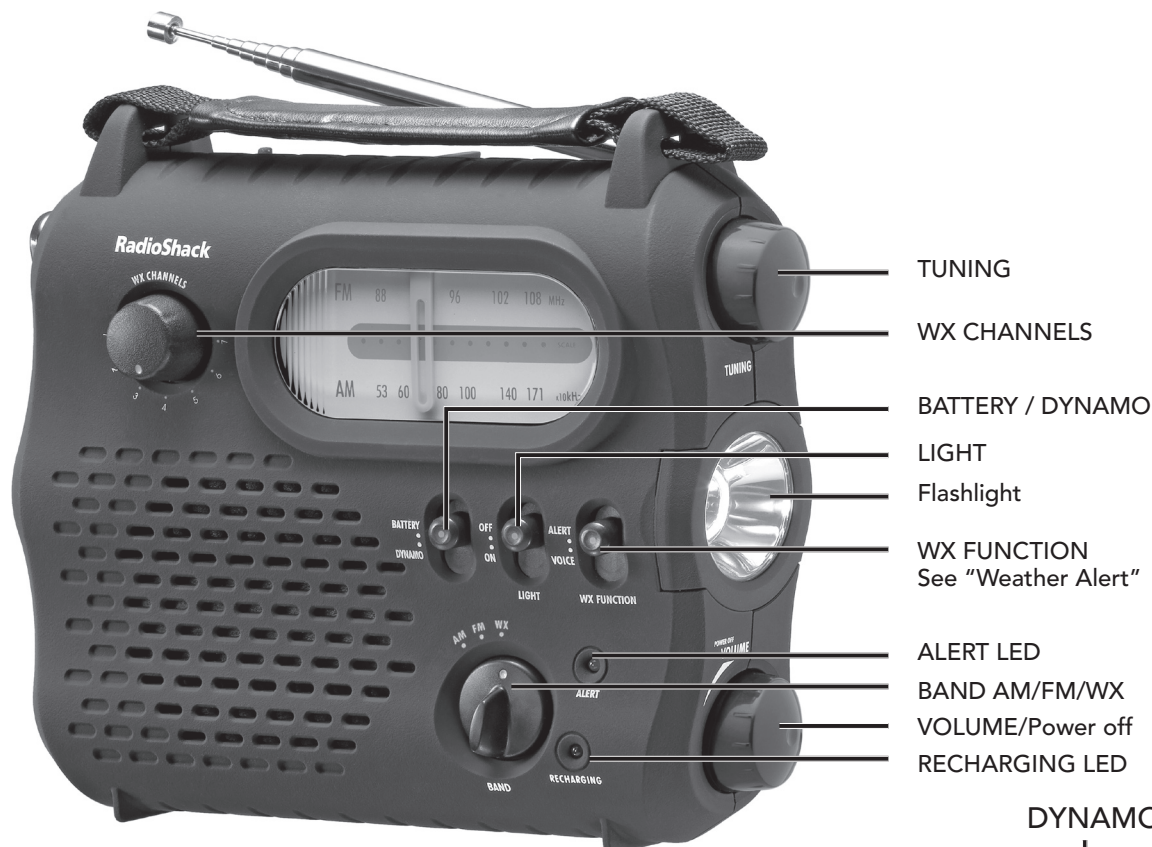
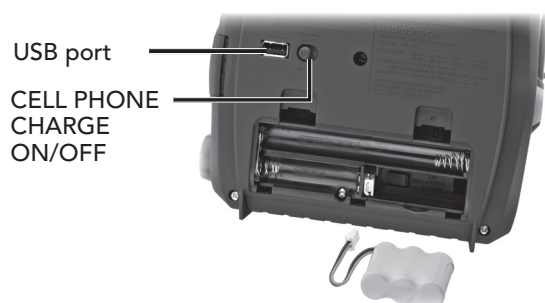


AM/FM/Weather Band Emergency Crank Radio 20-108

Thank you for purchasing your AM/FM/Weather Band Emergency Crank Radio from **RadioShack**. Please read this user's guide before installing, setting up, and using your new radio. See back of page for detailed instructions.



① Install battery pack



② Switch BATTERY/DYNAMO to DYNAMO

③ Lift the crank and rotate it in either direction to charge the radio.

DYNAMO Crank



What's Included

Emergency Crank Radio
Battery Pack User's Guide

Features

- Receives local radiostations and NOAA (AM/FM/WX) .
- The emergency crank generator provides light and radio power without batteries.
- Charges your mobile phone.

Battery Notes

- Do not burn or bury batteries. Do not puncture or crush. Do not disassemble. Do not dispose of the batteries in the trash. Recycle at your local **RadioShack** store.

- Use only fresh batteries of the required size and recommended type.
- Do not use batteries of different types, capacities, or chemistry.
- Remove the batteries if you do not plan to use the product for an extended time.



Recycle Rechargeable Batteries

Placing rechargeable batteries in the trash can be harmful to the environment. Instead, recycle old rechargeable batteries at your local **RadioShack** store free of charge. **RadioShack** participates in the RBRC® battery recycling program, and is committed to preserving the environment and conserving natural resources. Call 1-800-THE-SHACK (1-800-843-7422) for more information.

Specifications

AM 530-1710 kHz
FM 88-108 MHz
WX 162.4-162.55 MHz
Power Output (at 10% THD)... 100 mW
Power DC 6V or 3 AA batteries
Antenna.....AM: built-in antenna
.....FM/WX: telescoping antenna,
Speaker 3 inches (76 mm),
..... 16 ohm impedance

Specifications are subject to change and improvement without notice. Actual product may vary from the images found in this document.



Protect the environment by recycling used electronics. Go to www.ecyclingcentral.com to find a recycling location near you.

Using Dynamo Power

The radio has an internal rechargeable battery pack that can be recharged using the dynamo-crank.

- 1 Install the battery pack.
- 2 Switch BATTERY/DYNAMO to DYNAMO.
- 3 Lift the crank and rotate it in either direction. The RECHARGING LED lights when charging.

Charge time depends on cranking rate and time. If turning the crank at about 2 turns per second for about 90 seconds does not power the radio for at least 15 minutes, replace the rechargeable battery pack.

Replacing the Battery Pack

Your radio comes with an Ni-MH, 3.6V, 300mAh battery pack or equivalent. To replace the battery pack:

- 1 Remove the battery pack, then unplug the connector.
- 2 Insert a new battery pack plug into the connector, then place the battery into the slot.

Installing Optional Batteries

Insert 3 AA batteries (optional; not included) into the battery compartment matching the marked polarity.

Using an Adapter

You can also power your radio with a 6V AC or DC adapter (not supplied) connected to your radio's DC 6V jack.

NOTE

You must use a Class 2 power source that supplies 6V DC and delivers at least 300mA. Its center tip must be set to positive and its plug must fit your radio's 6V jack. Using an adapter that does not meet these specifications could damage your radio or adapter.

Using the Radio

- 1 Turn the VOLUME knob to turn on the radio and adjust the volume.
- 2 Use the BAND knob to select a radio band.
- 3 Use the TUNING knob to tune to a station.


NOTES

- For best FM/WX reception, fully extend the telescopic antenna.
- The radio has a built-in AM antenna. Rotate your radio to improve reception.
- To avoid radio interference, do not charge your mobile phone while listening to your radio.

Weather Alert

Select the WX band to hear weather alerts. During an alert, the ALERT LED flashes, and the radio beeps if the WX FUNCTION switch is set to ALERT. Switch WX FUNCTION to VOICE to listen to the weather band broadcasts.

Connecting Headphones

Connect headphones with a 1/8-inch (3.5mm) plug (not supplied) to the  jack. The speaker automatically mutes.

Charging Your Mobile Phone

- 1 Connect your mobile phone (not included) to the USB port on the back of your radio using a USB cable (not included) with a tip that matches your phone (maximum charging voltage and current 6V/250mA).
- 2 Slide the CELL PHONE CHARGE switch to ON when charging, and OFF when finished.

NOTE

When charging your mobile phone, be sure to connect the Ni-MH rechargeable battery to your radio.

Listening Safely and Traffic Safety

To protect your hearing, follow these earphone guidelines:

- Do not listen at extremely high volume levels. Extended, high-volume listening can lead to permanent hearing loss.
- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- After you set the volume, do not increase it. Over time, your ears adapt to the volume, so a level that does not cause discomfort might still damage your hearing.
- Do not wear earphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and is illegal in some areas.
- Even though some earphones are designed to let you hear some outside sounds when listening at normal volume levels, they still present a traffic hazard.

www.radioshack.com

FCC Information

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 radiate 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 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local RadioShack store or an experienced radio/TV technician for help.

If you cannot eliminate the interference, the FCC requires that you stop using your radio. Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

Product:	AM/FM/Weather Band Emergency Crank Radio
Model:	20-108A
Responsible Party:	RadioShack Corporation 300 RadioShack Circle Fort Worth, TX 76102
Phone:	817-415-3200

Limited Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year 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
300 RadioShack Circle, Fort Worth, TX 76102

12/99