



INSTRUCTION MANUAL



MODEL: TF-12W

DYNAMO RECHARGEABLE CAMPING  
LANTERN WITH  
AM / FM / WEATHER BAND RADIO & SIREN  
GOOD FOR EMERGENCY AND CAMPING USE

WARNING AND PRECAUTION  
TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

-  This symbol, located on back or bottom of the unit, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
-  This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Any use of the controls or an adjustment to the procedures other than those specified herein may result in hazardous radiation.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER-SERVICEABLE PARTS INSIDE. PLEASE REFER ANY SERVICING TO QUALIFIED SERVICE PERSONNEL.

FCC Requirements  
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.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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:

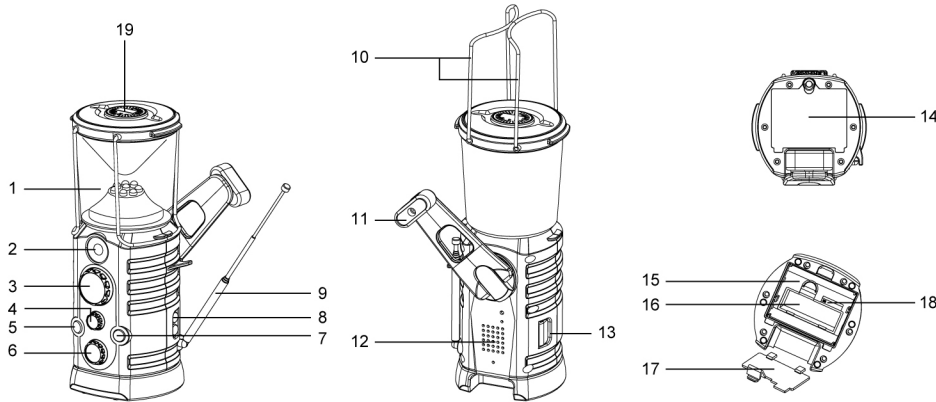
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Special Note  
When placing your unit on a lacquered or natural finish, protect your furniture with a cloth or other protective material.

- FEATURES:
- High Sensitive 360 Degrees Telescopic Antenna
  - AM / FM Radio / Weather Band Radio
  - 7 Super Bright LEDs light for Lantern
  - 1 Super Bright LED Light for Flashlight
  - Emergency Siren and Blinking
  - Fishing Rod size Dynamo Handle for Easy Cranking
  - Can Generate Power by Cranking Dynamo to Charge Other Electronic Devices such as Mobile Phone
  - Built-in DC Charge In and Charge Out Function
  - Rechargeable Batteries can be Easily Removed & Replaced
  - LED Charging Indicator for Dynamo and Adaptor Charging
  - Low Battery Indicator
  - Built-in Speaker
  - Aux-in Function
  - 2 ways Rechargeable Power Operation:
    - a) Recharged by Hand Crank
    - b) Recharged by External AC/DC Adaptor (AC/DC adaptor not included)
  - Can Use Backup 3 x "AA" Batteries (Batteries not included)

- PRECAUTIONS
- Always turn off lantern before charging, otherwise it can not be efficiently charged.
  - Never use solvents containing benzol or petroleum for cleaning the unit.
  - Wipe off dust and stains with soft damp cloth.
  - If you have not used the lantern for more than 2 weeks, remember to recharge before reuse.
  - Exposure of the unit to temperature over 80°C may damage the plastic case.

- FUNCTION LAYOUT
- |   |  |
|---|--|
| 1. Lantern Light / LED Charging Indicator | 11. Hand Crank Handle                            |
| 2. Flashlight                             | 12. Speaker                                      |
| 3. Tuning Knob                            | 13. IN/OUT Terminal Jack (DC-OUT, DC-IN, AUX-IN) |
| 4. Band Select Knob                       | 14. Battery Compartment Door                     |
| 5. Torch ON/OFF Push Switch               | 15. Battery Compartment                          |
| 6. Volume/Radio Power ON/OFF Knob         | 16. Rechargeable Battery Compartment             |
| 7. Lantern light Level & ON/OFF Push Knob | 17. Rechargeable Battery Door                    |
| 8. Siren ON/OFF Push Knob                 | 18. Battery Selector                             |
| 9. 360° Telescopic Antenna                | 19. Compass                                      |
| 10. Handle                                |  |



- OPERATION FOR RADIO
- 1) Select AM/FM/WB broadcasting by rotate the BAND switch( 4 ).
  - 2) Rotate volume knob ( 6 ) to turn on and desirable level of the radio.
  - 3) Rotate the tuning knob ( 3 ) to the desirable station.
  - 4) To rotate your telescopic antenna ( 9 ) for better FM or WB band frequencies reception.
  - 5) To rotate the unit for better AM band reception.

- OPERATION FOR LANTERN / LED LIGHT AND EMERGENCY LIGHT
- 1) For operation of lantern, press the Lantern level control button knob ( 7 ) to turn on the light and continuous pressing to selection for three level of brightness.
  - 2) To use the siren and blinker simultaneously for emergency purpose, push siren button knob (8) to turn on the siren sound and blinking lantern light.

OPERATION FOR FLASHLIGHT  
For operation of flashlight, push the flashlight button knob ( 5 ) to turn on/off flashlight.

CHARGING PRECAUTION:  
For hand crank dynamo and DC charging, make sure "OFF" power for better efficiency charge.

- HAND CRANK DYNAMO CHARGING
- To achieve a partial charge, hand crank the dynamo speed about 120n/m for any time storage power to built-in rechargeable battery. No batteries is required.
  - Hand crank the dynamo in 3 minutes can provide 15 ~ 20 minutes to lantern full light illumination.
  - Hand crank the dynamo in 3 minutes can provide 30 ~ 40 minutes to flashlight illumination.
  - Hand crank the dynamo in 3 minutes can provide 30 ~ 40 minutes to radio for half volume setting.
  - Hand crank the dynamo in 3 minutes can provide 2 ~ 3 minutes to siren and blinking.
  - Hand crank the dynamo in 3 minutes can provide 1 minute mobile phone taking time and 45 minutes standby times.

Notice: It is hard to full charge the unit to 100% by dynamo recharging system unless to use AC / DC adapter.

DYNAMO CHARGING FOR OUTSIDE DEVICE  
The dynamo charge out for your mobile phone charge, plug the connecting cable into the ( Ø 3.5mm ) DC-OUT jack on the unit and make sure the polarity is correct. Then Crank in moderate speed for charging. When the red LED light is on, it indicates the unit is under charging.

When the unit is fully discharged, the function of the unit can also be operated from immediate dynamo charging. Usually the purpose of dynamo charging is for temporary or emergency use while the rechargeable battery is discharged, it is not recommended to use dynamo mainly for full charging the battery.

Notice: To use the dynamo, always cranking handle speed about 120 turns per minute in moderate speed to prevent damage of the gear box. When Cranking, the red LED light of the lantern is on to indicate the dynamo is working.

DC CHARGE BY EXTERNAL DC JACK  
To use 12V/100mA AC/DC adapter for external DC charging, plug the connecting cable to the ( Ø 3.5mm ) DC jack at the side of the rubber cover. When the red LED light is on, it indicates the unit is under charging.  
(Consult your local dealer for a suitable voltage adapter. Do not charge the battery with the AC / DC adapter for more than 12 hours.)

EMERGENCY SIREN AND BLINKING  
Press SIREN (13) button to on or off the siren tone with light blinking.

- HOW TO REPLACE THE BACK-UP BATTERY
- To open the back-up battery compartment door ( 14 ), put 3 x "AA" size regular or alkaline batteries into the battery compartment and make sure the polarities are correct. In use the "AA" battery power, slide the switch ( 18 ) to [ Alk Batt ] position, unless set to [ Rechargeable Lithium Batt ] position to use of rechargeable batteries.
- Note:
1. Do not mix old and new batteries.
  2. Do not mix alkaline, standard (Carbon-Zinc), or rechargeable (Nickel Cadmium) batteries.
  3. Clean the battery contacts and also those of the device prior to battery installation.
  4. Remove used batteries promptly.
  5. If product is left unused for a long time, please take out "AA" batteries from the product.

HOW TO REPLACE THE RECHARGEABLE BATTERY  
Open the rechargeable battery compartment door ( 17 ) inside back-up battery compartment, you can simply un-plug the old rechargeable battery to replace the new one.

IMPORTANT  
If the unit has not been used for a long period of time, the rechargeable battery may be completely discharged into a "sleep mode" condition. This is the characteristics of all the rechargeable battery. For the first time to recharge (to wake up) the battery, it is recommended to use AC / DC adapter to charge for a period not exceed 12 hours. This will bring the rechargeable battery sooner back to it's normal function mode.

BUILT-IN WITH ULTRA BRIGHT LED LIGHT  
The ultra bright LEDs bulb is the energy saving light and it can perform long operational time with low power consumption. The life time for LED light is very long and it is firmly built-in and is not necessary to be replaced.

CHARGING INDICATOR / SIREN LED LIGHT / LOW BATTERY REMINDER  
When the colored LED light is on, it indicates the dynamo charging is taking place. When the red LED light is weakly on (not blinking), this indicate the voltage of the rechargeable battery is getting lower. If the red LED light is weakly off, the rechargeable battery is starting to go into the "sleep mode" condition.

- SPECIFICATIONS
- BAND COVERAGE:
- |    |                |
|----|----------------|
| AM | 530 - 1710 kHz |
| FM | 88 - 108 MHz   |
- WEATHER BAND:
- |  |                     |
|--|---------------------|
|  | 162.40 - 162.55 MHz |
|--|---------------------|
- POWER SOURCE:
- 1) CRANK DYNAMO POWER
  - 2) SOLAR POWER
  - 3) BUILT-IN DC 3.6V RECHARGEABLE BATTERY
  - 4) DC --- 12V/100mA, AC / DC ADAPTER (NOT INCLUDED)
  - 5) DC --- 4.5V, 3 X "AA" BATTERIES (NOT INCLUDED)