

TF-36 INSTRUCTION MANUAL



Dynamo Rechargeable
AM/FM/Digital Display and NOAA Weather Radio
Flashlight with Siren
LCD Alarm Clock & Reading Lamp

WARNING AND PRECAUTION

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

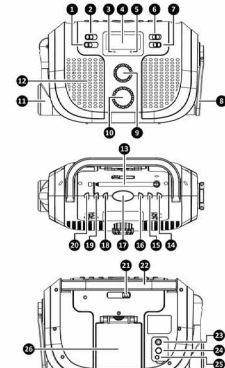
Special Note

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

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LOCATION OF FEATURES



- | | |
|--------------------------------|-------------------------------------|
| 1. BAND SELECT SWITCH | 14. BACK LIGHT BUTTON |
| 2. LIGHT SWITCH | 15. MINUTE SET BUTTON |
| 3. CHARGING INDICATOR | 16. HOUR SET BUTTON |
| 4. LCD DISPLAY with BACK LIGHT | 17. ALARM ON-OFF BUTTON |
| 5. RADIO POWER INDICATOR | 18. TIME SET BUTTON |
| 6. SIREN ON-OFF SWITCH | 19. ALARM SET BUTTON |
| 7. POWER SOURCE SWITCH | 20. SWAP RADIO/CLOCK DISPLAY BUTTON |
| 8. DYNAMO CRANK HANDLE | 21. PRESET WEATHER CHANNEL SWITCH |
| 9. TUNING KNOB | 22. HANDLE |
| 10. VOLUME KNOB | 23. AUX-IN JACK |
| 11. LAMP HEAD | 24. DC 6V IN JACK |
| 12. SPEAKER | 25. CELL PHONE CHARGE OUT JACK |
| 13. 360° TELESCOPIC ANTENNA | 26. BATTERY COMPARTMENT |

POWER SOURCES

- Rechargeable Battery Pack (included)
- 3 pieces AA batteries for power backup (not included)
- AC adapter/charger (not included)
- Dynamo handle cranking

BUILT-IN RECHARGEABLE BATTERY:

A DC 3.6V rechargeable battery is built-in the unit. Recharged by AC/DC adapter when the Rechargeable Battery power is low or first time using the unit.

AA BATTERY OPERATION

1. Open the battery compartment (26).
2. Install 3 pieces AA batteries for operation, observing polarity diagram.

RECHARGED BY BUILT-IN DYNAMO DURING EMERGENCY:

1. Turn the POWER SOURCE (7) switch to the **PWR OFF** position.
2. Turn the DYNAMO HANDLE (8) about 2 turns per second.
3. Turn the crank as the figure below. The **CHARGING** (3) LED Indicator will light.



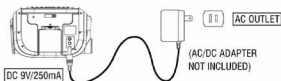
CELL PHONE CRANK CHARGING

The output of DC Out Jack is DC 5.6V, 200mA, Center positive. Connect the external device such like cell phones, MP3 Player ..., with same input voltage and current for recharging. (Connection cables not included).

Warning: If the charging voltage and current of the external device is other than the output of this unit. Do not use it to recharge the external device. Otherwise, both units may damage.

RECHARGING THROUGH THE DC IN JACK:

Lift the cover of DC 6V IN (24) jack on the rear of unit. Connected an AC/DC adaptor (not included) which DC 9V, 250mA, positive center output to the DC IN Jack on the unit as the figure below. During charging, CHARGING Indicator will light. (NOTE: For fully charge, charge it at least 12 hours each time.)



BATTERY INSTALLATION:

To operate the unit with batteries, install batteries as follows:

1. Slide out the Battery Door.
2. Install 3 AA size batteries (not included) into the battery compartment (26) as the polarity marking inside the battery compartment.
3. Closing the battery door.

Note: When batteries were installed, the power of built-in rechargeable battery will be cut off when setting the POWER SOURCE (7) switch to **AA (Battery)** position.

BATTERY PRECAUTIONS:

- Follow these precautions when using a battery in this device:
1. Use only the size and type of battery specified.
 2. Be sure to follow the correct polarity when installing the battery as indicated in the battery compartment. A reversed battery may cause damage to the device.
 3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.
 4. If the batteries in the device are consumed or the device is not to be used for a long period of time, remove the batteries to prevent damage from possible battery leakage.
 5. Do not try to recharge the battery not intended to be recharged; it can overheat and rupture. (Follow battery manufacturer's directions.)
 6. Do not dispose of battery in fire. Battery may explode or leak.

TO SET OR RESET ACTUAL TIME

1. Setting the POWER SOURCE (7) switch to **PWR OFF** position.
2. Press and hold the **TIME SET** (18) button, press **HOUR** (15) button to set hour, press **MINUTE** (16) button to minute.

TO SET OR RESET ALARM TIME

1. Setting the POWER SOURCE (7) switch to **PWR OFF** position.
2. Press and hold the **ALARM SET** button, press **HOUR** button to set hour, press **MINUTE** button to set minute.

TO ACTIVATE ALARM

1. Set the actual and alarm time as previous procedures.
2. Turn off the radio by sliding the POWER SOURCE (7) Switch to **OFF** position.
3. Press the **ALARM** Button once. The alarm icon will appear on the display.
4. (Make sure radio station and volume level have been set correctly. Otherwise, when there is an alarm will not be heard.)

TO SHUT ALARM OFF

1. When alarm comes out, press the **ALARM** Button once. The alarm will be turn off and reset for the next day. (Alarm icon will keep on the LCD display.)
2. When alarm comes out, press the **ALARM** Button twice. The alarm will be turn off and will not reset for the next day. (Alarm icon will disappear on the LCD display.)

LISTENING TO THE AM/FM, AND WEATHER RADIO

1. Setting POWER SOURCE (7) switch to **AA** (Rechargeable Battery) or **AA** (Battery) position.
2. Select **AM**, **FM** or **WX** (Weather Band) with the BAND SELECT switch (1).
3. Turn the AM, FM stations with the **TUNING** knob (9), the current radio station frequency will appear on the LCD display.
5. Select your area's NOAA channel with 7 position from the **WEATHER CHANNEL** (21) switch.
6. To receive emergency weather alert, turn the unit on, tune to your strongest NOAA channel at a volume of your preference and select the BAND switch (1) to **WEATHER ALERT** position. The radio remains silent until the "alert" broadcast occurs. The NOAA service broadcasts practice alerts every Wednesday between 11 am and Noon. To receive the broadcasts, the radio must be within range of the broadcast site, 10 - 40 miles, depending on terrain and obstructions.

To learn more:

NOAA (National Oceanic & Atmospheric Administration),
<http://www.noaa.gov/emr/>
Environment Canada,
<http://www.ec.gc.ca/>

ANTENNAS

AM- This unit has built-in ferrite rod antenna, which provides adequate reception in most areas. If reception is weak, turn the unit to improve reception.

WEATHER/FM- Telescopic antenna is for WEATHER/FM reception only. If reception is weak, extend the telescopic antenna or turn it to another direction.

WAKE TO BUZZER OR RADIO

1. Press the unit top of **ALARM** (17) button once to active alarm symbol on LCD display to enable alarm function. Press the unit top of **ALARM** (17) button once again to disable.
2. Preset the radio station.
3. Setting the POWER SOURCE (7) switch to **PWR OFF** position.
4. Turn anti-clockwise the **VOLUME** (10) knob on click position by wake to buzzer.
5. Setting the volume level by wake to radio.

LIGHT SELECTION

1. Set the LIGHT (2) switch to the **FLASH** position for flashlight.
2. Set the LIGHT (2) switch to **READING** position for reading light, then lift up the LIGHT HEAD (11) and adjust the head angle for best reading position.
3. Set the LIGHT (2) switch to the **OFF** position to off.

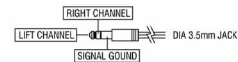


EMERGENCY SIREN AND BLINKING

1. Set the SIREN (6) switch to **SIREN** position for siren tone and light blinking.
2. Set the SIREN (6) switch to **OFF** position to disable siren function.

AUX-IN JACK

Flip open the socket cover and plug-in DIA 3.5mm jack for audio signal input (not included).



AC ADAPTER SPECIFICATION

- Output 9.0 volt DC, positive polarity, 250 milliamperes.
- Note: Keep the AC Adapter (Not included) connected for about 12 hours to fully charge.

BATTERY PACK SPECIFICATION

- Lithium, 3.6 volt DC, 120mAh.

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
GENERAL		
No sound when power on the radio	VOLUME Control is set to minimum	Adjust the VOLUME control.
	Station has not been tuned properly.	Tune station properly.
	FM reception is weak.	Extend the FM antenna.
Power is not on	FM reception is weak.	Extend the FM antenna.
	Power of the built-in rechargeable battery is low.	Recharge the built-in battery as page 3. Or, install 5 x 1.5V "AA" size batteries into the unit.

GENERAL SPECIFICATION

Band Reception:

AM: 520 - 1710 kHz

FM: 88 - 108 MHz

WX: 162.40 - 162.55 MHz

Power Source:

- DC 4.5V, 3 x "AA, LR06/UM3" size batteries, Or
- Built-in Rechargeable battery (DC 3.6V, recharge by built-in dynamo or through the DC IN Jack).

Cell Phone Charge Out:

- DC 5.6V, 200mA, Center Positive.

Speaker:

- 1 x 8 ohm, 1W