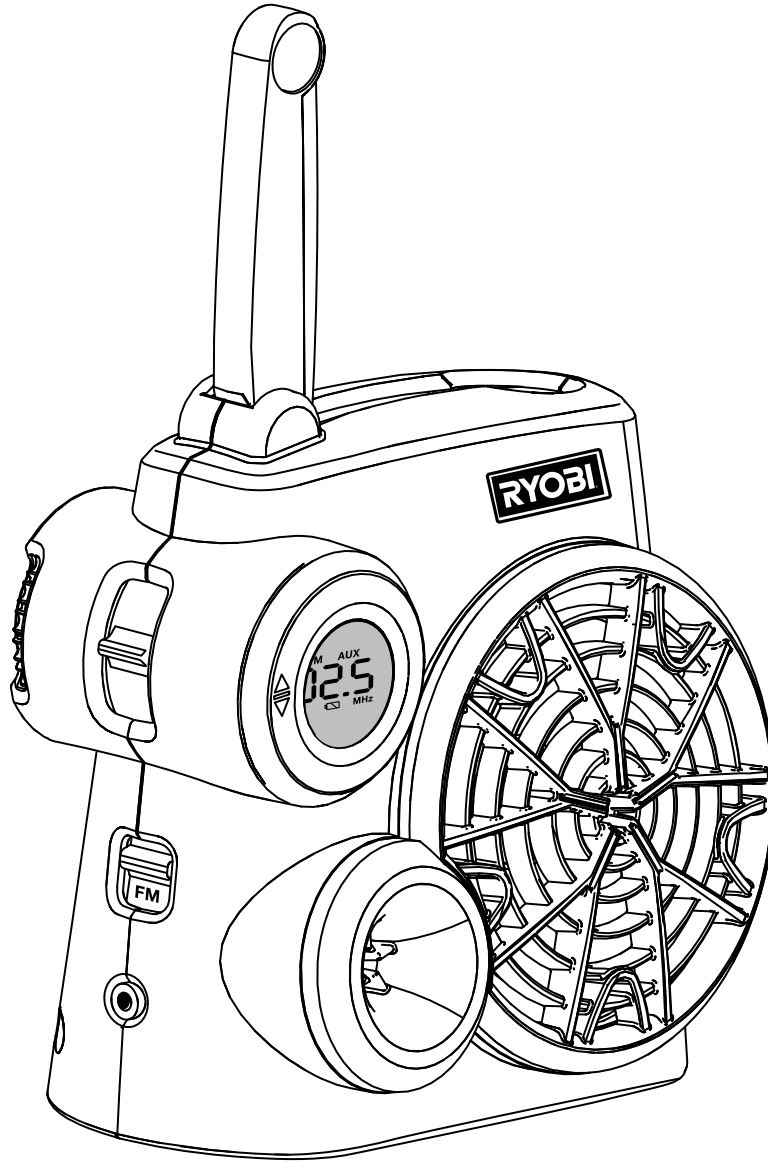




OPERATOR'S MANUAL

18 VOLT PORTABLE RADIO

P740



**BATTERIES AND CHARGERS
SOLD SEPARATELY**

Your portable radio has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

⚠ WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for your purchase.

SAVE THIS MANUAL FOR FUTURE REFERENCE

TABLE OF CONTENTS

■ Introduction	2
■ Warranty	2
■ General Safety Rules	3
■ Specific Safety Rules.....	4
■ Safety Rules for Charger	5
■ Symbols.....	6
■ Features.....	7
■ Assembly	8
■ Operation.....	8-11
■ Maintenance.....	12
■ Parts Ordering / Service	Back Page

INTRODUCTION

This product has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

WARRANTY

RYOBI® POWER TOOL - LIMITED TWO YEAR WARRANTY AND 30 DAY EXCHANGE POLICY

One World Technologies, Inc., warrants its RYOBI® power tools with the following conditions:

30-DAY EXCHANGE POLICY: During the first 30 days after date of purchase, you may either request service under this warranty or you may exchange any RYOBI® power tool which does not work properly due to defective workmanship or materials by returning the power tool to the dealer from which it was purchased. To receive a replacement power tool or requested warranty service, you must present proof of purchase and return all original equipment packaged with the original product. The replacement power tool will be covered by the limited warranty for the balance of the two year period from the date of the original purchase.

WHAT THIS WARRANTY COVERS: This warranty covers all defects in workmanship or materials in your RYOBI® power tool for a period of two years from the date of purchase. With the exception of batteries, power tool accessories are warranted for ninety (90) days. Batteries are warranted for two years.

HOW TO GET SERVICE: Just return the power tool, properly packaged and postage prepaid, to an Authorized Service Center. You can obtain the location of the Service Center nearest you by contacting a service representative at One World Technologies, Inc., P.O. Box 1207, Anderson, SC 29622-1207, by calling 1-800-525-2579 or by logging on to www.ryobitools.com. When you request warranty service, you must also present proof of purchase documentation, which includes the date of purchase (for example, a bill of sale). We will repair any faulty workmanship, and either repair or replace any defective part, at our option. We will do so without any charge to you. We will complete the work in a reasonable time, but, in any case, within ninety (90) days or less.

WHAT'S NOT COVERED: This warranty applies only to the original purchaser at retail and may not be transferred. This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defects resulting from misuse, abuse, neglect, alteration, modification or repairs by other than Authorized Service Centers. One World Technologies, Inc. makes no warranties, representations or promises as to the quality or performance of its power tools other than those specifically stated in this warranty.

ADDITIONAL LIMITATIONS: Any implied warranties granted under state law, including warranties of merchantability or fitness for a particular purpose, are limited to two years from the date of purchase. One World Technologies, Inc. is not responsible for direct, indirect, or incidental damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

GENERAL SAFETY RULES

IMPORTANT SAFETY INSTRUCTIONS

WARNING!

READ THESE INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

KEEP THESE INSTRUCTIONS

HEED ALL WARNINGS

FOLLOW ALL INSTRUCTIONS

WORK AREA

- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- **Do not operate products in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Products create sparks which may ignite the dust or fumes.

ELECTRICAL SAFETY

- **A battery operated product with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery.** A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
- **Use battery operated product only with specifically designated battery pack.** Use of any other batteries may create a risk of fire.
- **Use battery only with charger listed.**

MODEL	BATTERY PACK (P100)	CHARGER (P110)
P740	130255004 or 130224028	1423701, 140237021 or 140237023

PERSONAL SAFETY

- **Avoid accidental starting. Be sure switch is in the locked or off position before inserting battery pack.** Carrying products with your finger on the switch or inserting the battery pack into a product with the switch on invites accidents.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enable better control of the product in unexpected situations.
- **Do not use on a ladder or unstable support.** Stable footing on a solid surface enables better control of the product in unexpected situations.

PRODUCT USE AND CARE

- **Do not use product if switch does not turn it on or off.** A product that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect battery pack from product or place the switch in the locked or off position before making any adjustments, changing accessories, or storing the product.** Such preventive safety measures reduce the risk of starting the product accidentally.
- **When battery pack is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause sparks, burns, or a fire.
- **Keep the radio and its handle dry, clean and free from oil and grease.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your radio. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.
- **Do not use this apparatus near water.**
- **Clean only with dry cloth.**
- **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.**
- **Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.**
- **Only use attachments/accessories specified by the manufacturer.**

SERVICE

- **Product service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in a risk of injury.
- **When servicing a product, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.
- **Refer all servicing to qualified service personnel.** Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

SPECIFIC SAFETY RULES

IMPORTANT SAFETY INSTRUCTIONS

- **Know your product. Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this product.** Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Battery products do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery product or when changing accessories.** Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- **Do not place battery products or their batteries near fire or heat.** This will reduce the risk of explosion and possibly injury.
- **Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow.** A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- **Batteries vent hydrogen gas and can explode in the presence of a source of ignition, such as a pilot light.** To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- **Do not charge battery product in a damp or wet location.** Following this rule will reduce the risk of electric shock.
- **For best results, your battery product should be charged in a location where the temperature is more than 50°F but less than 100°F.** To reduce the risk of serious personal injury, do not store outside or in vehicles.
- **Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention.** Following this rule will reduce the risk of serious personal injury.
- **To reduce the risk of personal injury and electric shock, the product should not be played with or placed where small children can reach it.**
- **To reduce the risk of electric shock, do not expose to water or rain.**
- **If the power supply cord is damaged, it must be replaced only by the manufacturer or by an authorized service center to avoid risk.**

SAFETY RULES FOR CHARGER

WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS.

Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

- **Before using battery charger**, read all instructions and cautionary markings in this manual, on battery charger, battery, and product using battery to prevent misuse of the products and possible injury or damage.

CAUTION:

To reduce the risk of electric shock or damage to the charger and battery, charge only nickel-cadmium rechargeable batteries as specifically designated on your charger. Other types of batteries may burst, causing personal injury or damage.

- **Do not use charger outdoors or expose to wet or damp conditions.** Water entering charger will increase the risk of electric shock.
- **Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.** Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- **Do not abuse cord or charger.** Never use the cord to carry the charger. Do not pull the charger cord rather than the plug when disconnecting from receptacle. Damage to the cord or charger could occur and create an electric shock hazard. Replace damaged cords immediately.
- **Make sure cord is located so that it will not be stepped on, tripped over, come in contact with sharp edges or moving parts or otherwise subjected to damage or stress.** This will reduce the risk of accidental falls, which could cause injury, and damage to the cord, which could result in electric shock.
- **Keep cord and charger from heat to prevent damage to housing or internal parts.**
- **Do not let gasoline, oils, petroleum-based products, etc. come in contact with plastic parts.** They contain chemicals that can damage, weaken, or destroy plastic.

- **An extension cord should not be used unless absolutely necessary.** Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:

- a. That pins on plug of extension cord are the same number, size and shape as those of plug on charger.
- b. That extension cord is properly wired and in good electrical condition; and
- c. That wire size is large enough for AC ampere rating of charger as specified below:

Cord Length (Feet)	25'	50'	100'
Cord Size (AWG)	16	16	16

NOTE: AWG = American Wire Gauge

- **Do not operate charger with a damaged cord or plug**, which could cause shorting and electric shock. If damaged, have the charger replaced by an authorized serviceman.
- **Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.** Take it to an authorized serviceman for electrical check to determine if the charger is in good working order.
- **Do not disassemble charger.** Take it to an authorized serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- **Unplug charger from outlet before attempting any maintenance or cleaning to reduce the risk of electric shock.**
- **Disconnect charger from the power supply when not in use.** This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening. It also will help prevent damage to the charger during a power surge.
- **Risk of electric shock.** Do not touch uninsulated portion of output connector or uninsulated battery terminal.
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also to prevent misuse of the product and possible injury.

IMPORTANT SAFETY INSTRUCTIONS





1. SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions for battery chargers 1423701, 140237021, and 140237023.




2. **Before using battery charger**, read all instructions and cautionary markings on battery charger, battery, and product using battery.
3. **CAUTION:** To reduce the risk of injury, charge only nickel-cadmium rechargeable batteries. Other types of batteries may burst, causing personal injury or damage.

SYMBOLS

Some of the following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear safety goggles or safety glasses with side shields, or a full face shield when operating this product.
	Safety Alert	Precautions that involve your safety.

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION:	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

This unit has no serviceable parts. If the unit fails due to normal wear and tear within two years of purchase, return with original receipt for a replacement unit at no charge. Call 1-800-525-2579 for your nearest **AUTHORIZED SERVICE CENTER**.



WARNING:

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the operator's manual. If you do not understand the warnings and instructions in the operator's manual, do not use this product. Call Ryobi customer service for assistance.

SAVE THESE INSTRUCTIONS

FEATURES

PRODUCT SPECIFICATIONS

Radio Voltage 18 Volt DC
FM Tuner 87.5 - 108.0 MHz

Charger Input..... 120 V, 60 Hz, AC only

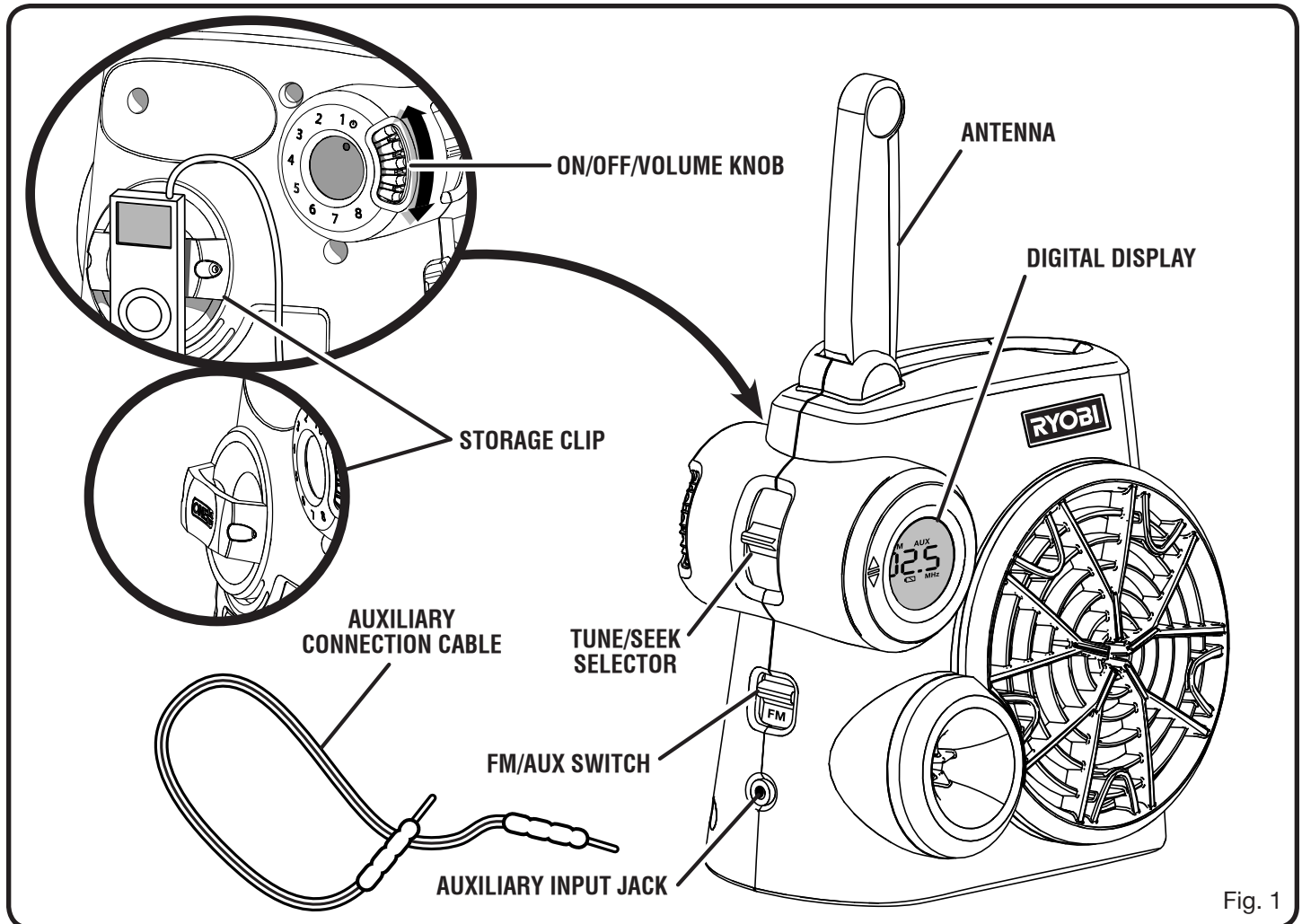


Fig. 1

KNOW YOUR PORTABLE RADIO

See Figure 1.

The safe use of this product requires an understanding of the information on the product and in this operator's manual. Before use of this product, familiarize yourself with all operating features and safety rules.

AMPLIFIER

The radio can be used as an amplifier for MP3 players, CD players, and other audio devices using the supplied auxiliary connection cable.

DIGITAL DISPLAY

The radio channel and low battery indicator can be viewed on the digital display which illuminates when the radio is turned on.

STORAGE CLIP

A storage clip is located on the back of the radio for holding small music devices such as MP3 players.

TUNE/SEEK SELECTOR

The tune/seek selector allows you to manually search through each FM radio channel or directly skip to receivable radio channels.

ASSEMBLY

UNPACKING

This product has been shipped completely assembled.

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call 1-800-525-2579 for assistance.

PACKING LIST

18 Volt Radio

Auxiliary Connection Cable

Operator's Manual

WARNING:

If any parts are damaged or missing do not operate this product until the parts are replaced. Failure to heed this warning could result in serious personal injury.

WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

WARNING:

To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the product when assembling parts.

OPERATION

WARNING:

Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

APPLICATIONS

You may use this product for the purposes listed below:

- Listening to FM radio
- Amplifying MP3 players, CD players, and other audio devices

CAUTION:

If at any point during the charging process none of the LEDs are lit, remove the battery pack from the charger to avoid damaging the product. DO NOT insert another battery. Return the charger and battery to your nearest service center for service or replacement.

LED FUNCTIONS OF CHARGER

LED WILL BE ON TO INDICATE STATUS OF CHARGER AND BATTERY PACK:

- Red LED on = Fast charging mode.
- Green LED on = Fully charged and in maintenance charge mode.
- Green LED on = When battery pack is inserted into charger, indicates hot battery pack or that battery pack is out of normal temperature range.
- Yellow and Green LEDs on = Deeply discharged or defective battery pack.
- No LED on = Defective charger or battery pack.

OPERATION

CHARGING THE BATTERY PACK

Battery packs for this product have been shipped in a low charge condition to prevent possible problems. Therefore, you should charge it until the green LED on the front of the charger comes on.

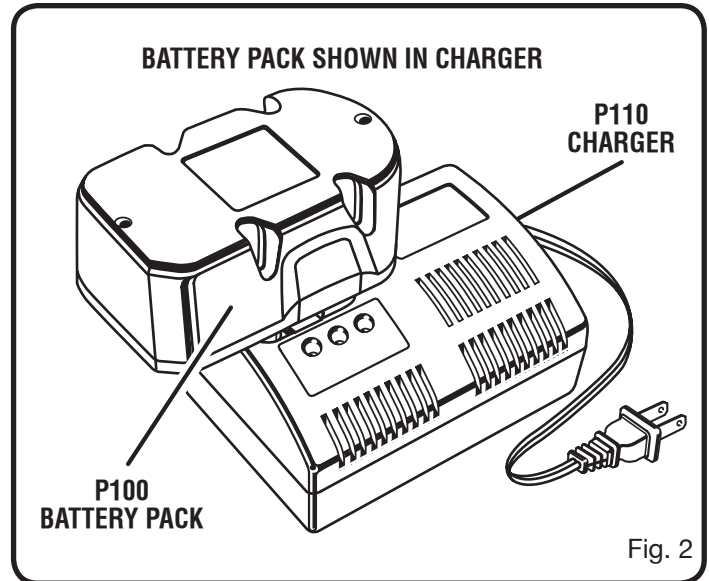
NOTE: Batteries will not reach full charge the first time they are charged. Allow several cycles (operation followed by recharging) for them to become fully charged.

CHARGING A COOL BATTERY PACK

If battery pack is within normal temperature range, the red LED on charger will come on.

NOTE: If the charger does not charge the battery pack under normal circumstances, return both the battery pack and charger to your nearest Authorized Service Center for electrical check.

- Charge the battery pack only with the charger provided.
- Make sure the power supply is normal household voltage, **120 volts, 60 Hz, AC only**.
- Connect the charger to the power supply.
- Place the battery pack in the charger aligning raised rib on the battery pack with the groove in the charger. See *Figure 2*.
- Press down on the battery pack to be sure contacts on the battery pack engage properly with contacts in the charger.
- Normally the red LED on charger will come on. This indicates the charger is in fast charging mode.
- Red LED should remain on for approximately 1 hour then the green LED will come on. Green LED on indicates battery pack is fully charged and charger is in maintenance charge mode.
NOTE: The green LED will remain on until the battery pack is removed from the charger or charger is disconnected from the power supply.
- If both yellow and green LEDs come on, this indicates a deeply discharged or defective battery pack. Allow the battery pack to remain in the charger for 15 to 30 minutes. When the battery pack reaches normal voltage range, the red LED should come on. If the red LED does not come on after 30 minutes, this may indicate a defective battery pack that should be replaced.
- After normal usage, a minimum of 1 hour of charging time is required to fully recharge battery pack.
- The battery pack will become slightly warm to the touch while charging. This is normal and does not indicate a problem.



- Do not place the charger and battery pack in an area of extreme heat or cold. They will work best at normal room temperature.
NOTE: The charger and battery pack should be placed in a location where the temperature is more than 50°F but less than 100°F.
- When batteries become fully charged, unplug the charger from power supply and remove the battery pack.

CHARGING A HOT BATTERY PACK

When using the tool continuously, the batteries in the battery pack will become hot. You should let a hot battery pack cool down for approximately 30 minutes before attempting to recharge. When the battery pack becomes discharged and is hot, this will cause the green LED to come on instead of the red LED. After 30 minutes, reinsert the battery pack in the charger. If the green LED continues to remain on, return battery pack to your nearest Authorized Service Center for checking or replacing.

NOTE: This situation only occurs when continuous use of the tool causes the batteries to become hot. It does not occur under normal circumstances. Refer to **CHARGING A COOL BATTERY PACK** for normal recharging of batteries. If the charger does not charge your battery pack under normal circumstances, return both the battery pack and charger to your nearest Authorized Service Center for electrical check.

OPERATION

TO INSTALL BATTERY PACK

See Figure 3.

- Place the battery pack on the radio.
- Make sure the latches on each side of the battery pack snap into place and the battery pack is secured on the radio before beginning operation.

TO REMOVE BATTERY PACK

See Figure 3.

- Depress the latches on the side of battery pack.
- Remove the battery pack from the radio.

NOTE: The battery pack should be recharged after approximately 5 hours of use to reduce the possibility of damage. Repeated deep discharge of the battery may decrease storage capacity and battery life.

⚠ WARNING:

Battery products are always in operating condition. Therefore, the switch should always be locked when not in use or carrying at your side.

TURNING THE RADIO ON/OFF

See Figure 4.

To turn ON: turn the ON/OFF/volume knob counterclockwise.

To turn OFF: turn the ON/OFF/volume knob clockwise to the OFF position.

CONTROLLING VOLUME

See Figure 4.

- Turn the volume knob counterclockwise to increase radio volume.
- Turn the volume knob clockwise to decrease radio volume.

NOTE: Use the volume level indicator located on the ON/OFF/volume knob to find the desired volume.

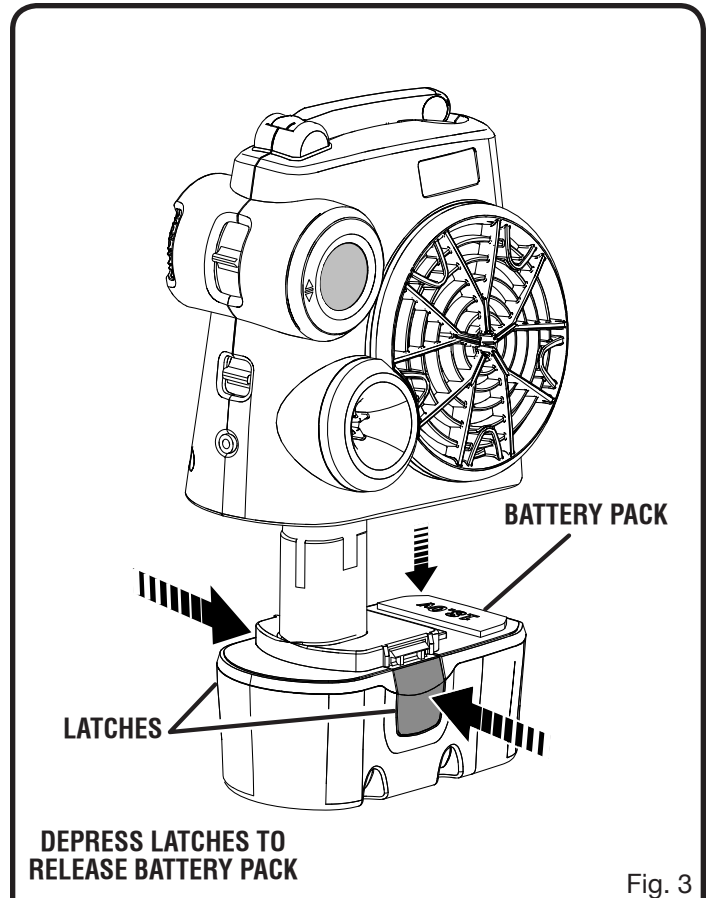


Fig. 3

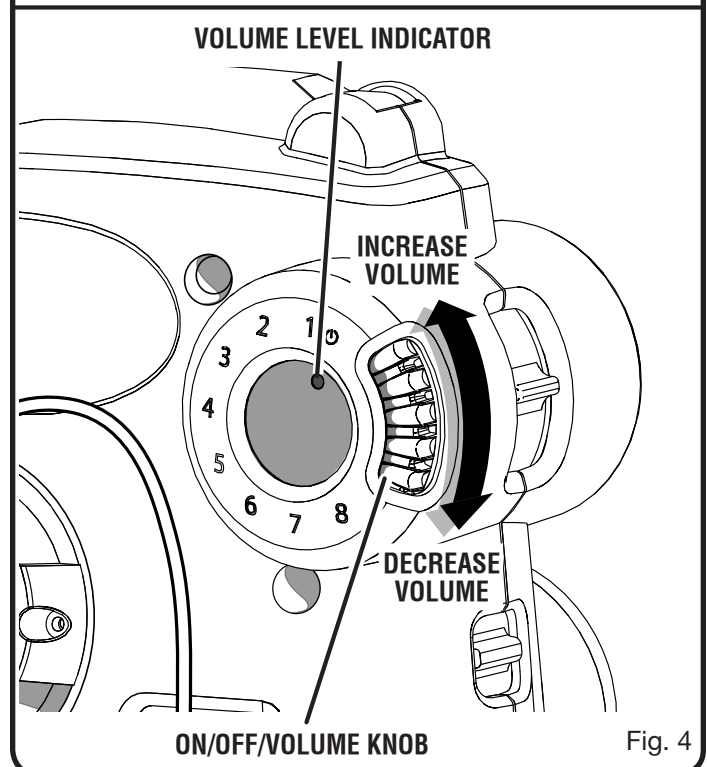


Fig. 4

OPERATION

DIGITAL DISPLAY

See Figure 5.

The digital display on the front of the radio illuminates when the radio is switched **ON**, displaying the radio channel setting. If the battery charge is low, a flashing low battery indicator will also be displayed.

NOTE: Charge battery when low battery indicator begins to flash. If the radio continues to operate with the low battery indicator flashing, the radio will drain the battery until the radio will no longer emit sound and the backlight and the LCD display will also flash. To avoid deep discharge, remove the battery pack from the radio and charge immediately.

FM RADIO MODE

See Figure 6.

To change radio channels manually:

- Slide the FM/AUX switch to the FM position.
- Push the tune/seek selector up or down and quickly release to manually change radio channels one frequency at a time.

To change radio channels using the seek feature:

- Slide the FM/AUX switch to the FM position.
- Push the tune/seek selector up or down and hold for one second before releasing to directly skip to receivable radio channels.

To use the antenna:

- Raise or lower radio antenna until radio channel can be heard clearly.

AUXILIARY MODE

See Figure 7.

The portable radio can be used as an amplifier for MP3 players, CD players, and other music devices.

To use the auxiliary mode:

- Slide FM/AUX switch to the AUX position.
- Plug the auxiliary connection cable into auxiliary input jack below the FM/AUX switch.
- Plug cable into music device.
- Turn radio and music device **ON**.

NOTE: Adjust volume to desired level using either the radio or music device.

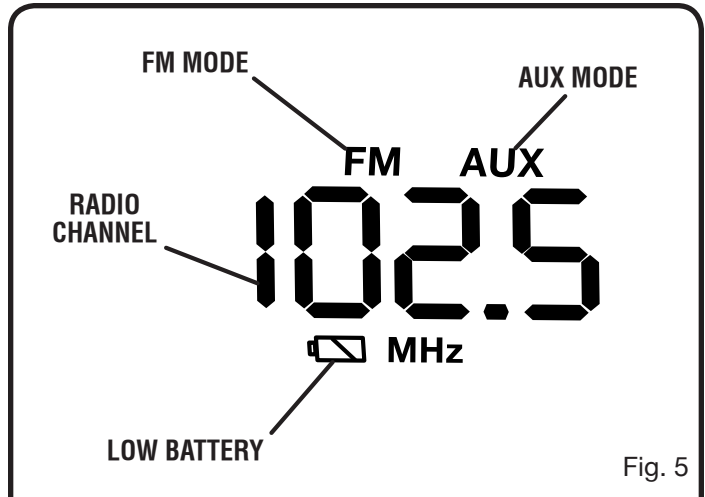


Fig. 5

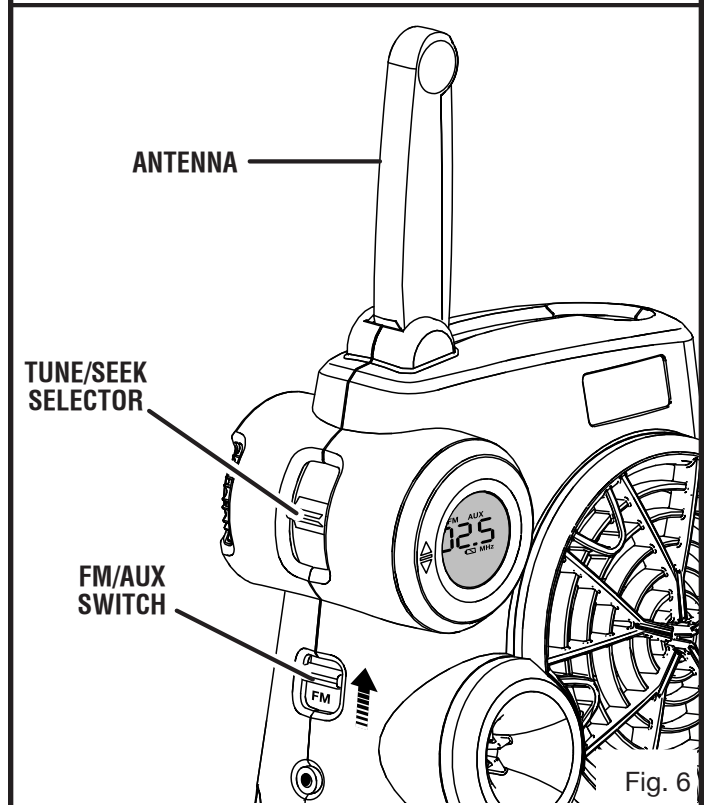


Fig. 6

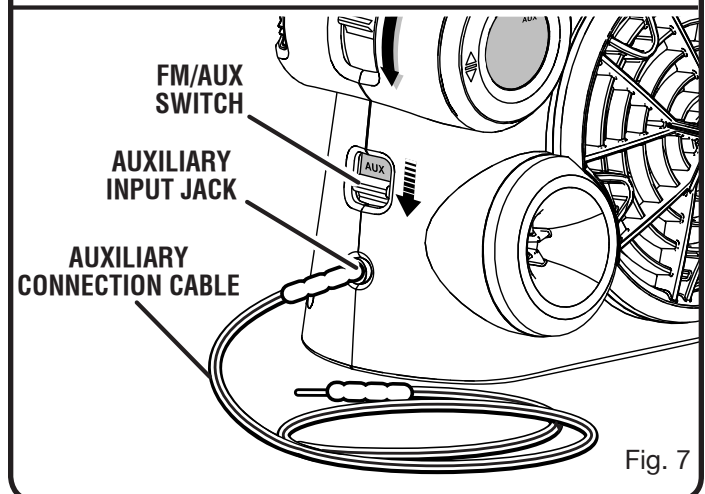


Fig. 7

MAINTENANCE

WARNING:

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

WARNING:

To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

WARNING:

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Only the parts shown on the parts list are intended to be repaired or replaced by the customer. All other parts should be replaced at an Authorized Service Center.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

BATTERIES

The battery pack for this product is equipped with nickel-cadmium rechargeable batteries. Length of service from each charging will depend on the type of work you are doing.

The batteries in this product have been designed to provide maximum trouble-free life. However, like all batteries, they will eventually wear out. **Do not** disassemble battery pack and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewelry, could result in a serious burn.

To obtain the longest possible battery life, we suggest the following:

- Remove the battery pack from the charger once it is fully charged and ready for use.

For battery storage longer than 30 days:

- Store the battery pack where the temperature is below 80°F.
- Store battery packs in a “discharged” condition.

BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING



To preserve natural resources, please recycle or dispose of batteries properly.

This product contains nickel-cadmium batteries. Local, state or federal laws may prohibit disposal of nickel-cadmium batteries in ordinary trash.

Consult your local waste authority for information regarding available recycling and/or disposal options.

WARNING:

Upon removal, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble battery pack or remove any of its components. Nickel-cadmium batteries must be recycled or disposed of properly. Also, never touch both terminals with metal objects and/or body parts as short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.



OPERATOR'S MANUAL

18 VOLT PORTABLE RADIO

P740

- **SERVICE**

This product has no serviceable parts. If unit fails due to normal wear and tear within two years of purchase, return with original receipt for a replacement unit at no charge. Please call 1-800-525-2579 for the nearest Authorized Service Center. You can also check our web site at www.ryobitools.com for a complete list of Authorized Service Centers.

- **MODEL NO. AND SERIAL NO.**

The model number of this tool will be found on a plate attached to the motor housing. Please record the model number and serial number in the space provided below.

- **HOW TO ORDER REPAIR PARTS**

When ordering repair parts, always give the following information:

- MODEL NUMBER P740
- SERIAL NUMBER

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ONE WORLD TECHNOLOGIES, INC.

1428 Pearman Dairy Road, Anderson, SC 29625

Phone 1-800-525-2579

www.ryobitools.com