

# FLEX

OPERATOR'S MANUAL  
MANUAL DEL OPERADOR  
MANUEL DE L'UTILISATEUR



Model: **FX5351**  
Modelo:  
Modèle:

**FLEX 24V JOBSITE RADIO**  
**FLEX 24V JOBSITE RADIO**  
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## SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

**⚠ WARNING** Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "**DANGER**," "**WARNING**," and "**CAUTION**" before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

<p>The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.</p>	
	<p>This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.</p>
	<p>DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.</p>
	<p>WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.</p>
	<p>CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.</p>

## IMPORTANT SAFETY INSTRUCTIONS

**⚠ WARNING** Read all safety warnings, instructions, illustrations and specifications

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

**To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not use this apparatus near water. Dry location use only.**

**Only operate this apparatus in a well-ventilated area.**

**Read these instructions.**

**Keep these instructions.**

**Heed all warnings.**

**Follow all instructions.**

**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.**

**Detach the battery pack from the apparatus during lightning storms or when unused for long periods of time.**

**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. Service or maintenance performed by unqualified personnel could result in a risk of injury.

**A battery operated apparatus 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.

**Never disassemble the apparatus or try to do any rewiring on the apparatus's electrical system.**

**Maintain the apparatus. Check for misalignment, breakage of parts and any other condition that may affect the apparatus operation. If damaged, have the apparatus repaired before use. Use the apparatus in accordance with these instructions, taking into account the working conditions and the work to be performed.**

Use of the apparatus for operations different from those intended could result in a hazardous situation.

**Keep the apparatus away from other metal objects, such as paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.** Shorting the terminals together may cause burns or a fire.

**Do not use the apparatus if it has been dropped or received a sharp blow. A damaged apparatus will increase the risk of fire.**

**Dispose of a used battery promptly. Keep away from children.** Do not disassemble and do not dispose of in fire.

**Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

**⚠ DANGER** People with electronic devices, such as pacemakers, should consult their physician(s) before using this product. **Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.**

**Save these instructions.** Refer to them frequently and use them to instruct others who may use this product. If you loan someone this product, loan them these instructions also.

## FCC CAUTION

The manufacturer is not responsible for radio interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment. 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.

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

### FCC Statement:

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.




### RF warning statement:

**The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.**







## SYMBOLS

**IMPORTANT:** Some of the following symbols may be used on your 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
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
kg	Kilograms	Weight
min	Minutes	Time
s	Seconds	Time
Wh	Watt-hours	Battery capacity
Ah	Ampere-hours	Battery capacity
∅	Diameter	Size of drill bits, grinding wheels, etc.
n <sub>0</sub>	No load speed	Rotational speed, at no load
n	Rated speed	Maximum attainable speed
.../min	Revolutions or reciprocations per minute (rpm)	Revolutions, strokes, surface speed, orbits, etc. per minute
O	Off position	Zero speed, zero torque...
1,2,3,... I,II,III,	Selector settings	Speed, torque, or position settings. Higher number means greater speed
	Infinitely variable selector with off	Speed is increasing from 0 setting
	Arrow	Action in the direction of arrow
	Alternating current (AC)	Type or a characteristic of current
	Direct current (DC)	Type or a characteristic of current
	Alternating or direct current (AC / DC)	Type or a characteristic of current
	Class II tool	Designates Double Insulated Construction tools.
	Protective earth	Grounding terminal
	Li-ion RBRC seal	Designates Li-ion battery recycling program
	Ni-Cad RBRC seal	Designates Ni-Cad battery recycling program
	Read the instructions	Alerts user to read manual

Symbol	Name	Designation/Explanation
	Wear eye protection symbol	Alerts user to wear eye protection
	Always operate with two hands	Alerts user to always operate with two hands
	Do not use the guard for cut-off operations	Do not use the guard for cut-off operations

### SYMBOLS (CERTIFICATION INFORMATION)

Symbol	Designation/Explanation
	This symbol designates that this tool is listed by Underwriters Laboratories.
	This symbol designates that this component is recognized by Underwriters Laboratories.
	This symbol designates that this tool is listed by Underwriters Laboratories, to United States and Canadian Standards.
	This symbol designates that this tool is listed by the Canadian Standards Association.
	This symbol designates that this tool is listed by the Canadian Standards Association, to United States and Canadian Standards.
	This symbol designates that this tool is listed by the Intertek Testing Services, to United States and Canadian Standards.

## FUNCTIONAL DESCRIPTIONS & SPECIFICATIONS

### Jobsite Radio



Model No.	FX5351
Voltage for AC Power Adaptor	100–240 V, 50/60 Hz
Voltage for DC operation	24 V
Output power	20 W
Weight (without battery)	7.7 lbs (3.5 kg)
LxWxH	15.75 x 9.25 x 9.65 in. (400 x 235 x 245 mm)
IP (Ingress Protection) Grade	IP64
AUX connector	3.5 mm
Bluetooth® standard	V5.0
Bluetooth® Range	150 ft. (45 m)
USB port	5 V, Max. 2.1 A
Recommended Storage temperature	< 122°F (< 50°C)

**NOTICE:** IP64 is true when the battery compartment is closed and the USB/AUX ports are covered.



## OPERATING INSTRUCTIONS

**⚠ WARNING** To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your device, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc. can cause a short circuit.

**⚠ WARNING** If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

This jobsite radio must be used only with the battery packs and chargers listed below:

Battery Pack				Charger	
2.5Ah	5Ah	8Ah	12Ah		
FLEX FX0111	FLEX FX0121	FLEX FX0221	FLEX FX0231	FLEX FX0411	FLEX FX0421

**NOTICE:** Please refer to the battery pack and charger manuals for detailed operating.

### TO ATTACH/DETACH BATTERY PACK

**⚠ CAUTION** Always switch off the unit before removing the battery pack.

**a. To open the battery compartment (Fig. 2a):**

Lift up the battery compartment latch first, then open the battery compartment.

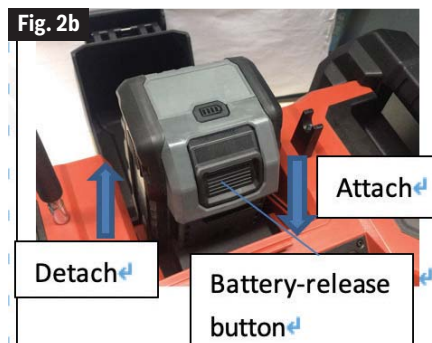
**b. To attach the battery pack (Fig. 2b):**

Align the raised rib on the battery pack with the grooves in the unit, and then slide the battery pack onto the unit.

**NOTICE:** When placing the battery pack onto the unit, be sure that the raised rib on the battery pack aligns with the groove inside the unit and that the latches snap into place properly. Improper attachment of the battery pack can cause damage to internal components.

**c. To detach the battery pack (Fig. 2b):**

Depress the battery-release button located on the front of the battery pack, to release the battery pack. Pull the battery pack out and remove it from the unit.



**d. To close the battery compartment (Fig. 2c):**

Close battery compartment cover and hold it, then press the battery compartment latch.



**TO INSTALL COIN CELL BATTERY (FIG. 3a & 3b)**

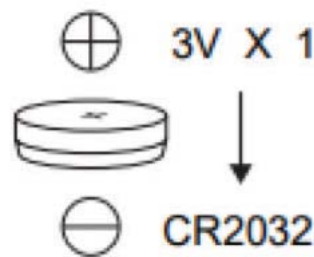
**⚠ WARNING** Danger of explosion if battery is incorrectly replaced. When replacing battery, replace it with the same or equivalent type CR2032. Observe correct polarity (+ and -) when replacing batteries. Do not store or carry batteries in such a way that metal objects can contact exposed battery terminals.

Your unit is equipped with memory function in order to store the time and your preset radio stations. When the unit is in the OFF position, this memory function is powered by one coin cell battery that is included with the unit.

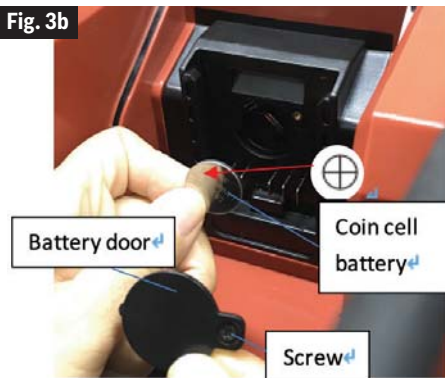
- Loosen the screw on the battery door counterclockwise with a Philips screwdriver (not included) to remove the screw and the battery door.
- Install the coin cell battery observing the correct polarity.
- Replace the battery door, insert the screw and tighten it clockwise.

**⚠ DANGER** **Do not ingest battery. Chemical burn hazard.** This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

**Fig. 3a**



**Fig. 3b**



### USING SUPPLIED AC POWER ADAPTOR (FIG. 4)

Insert the AC power adaptor plug into the DC socket on the back side of the radio.

Plug the adaptor into a standard power outlet. Whenever the power adaptor is used, the battery pack is automatically disconnected. The AC adaptor should be disconnected from the power outlet when not in use.

**NOTE:** The battery pack cannot be charged using the power adaptor. The battery packs can only be charged using chargers specified earlier in this manual.

### POSITIONABLE FLEXIBLE ANTENNA


To decrease interference or static noise, rotate the antenna or move the unit to a higher elevation. The antenna folds down and out of the way when not in use.

Fig. 4



### SWITCHING THE UNIT ON AND OFF (FIG. 5)

#### Switching on:

Press the On/Off knob  and hold for 2 seconds. The unit switches on. The background illumination of the display lights up.


#### Switching off:

Press the On/Off knob and hold for 2 seconds. The unit switches off.

Fig. 5



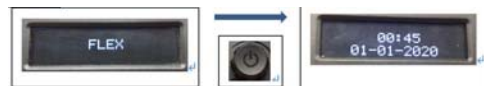
### STANDBY MODE (FIG. 6)

When the unit is switched on, briefly press On/Off knob , the unit switches to standby mode and back light disappears. During standby mode, briefly press On/Off knob to switch on the unit. During standby mode any function is unavailable except the LED light.



#### NOTICE:

When in standby mode, the unit will turn off automatically after 30 minutes of inactivity.

Fig. 6




### SETTING THE TIME

During any mode, press the CLOCK button  to set the time. The numbers blink in this order: hour> minute> month> date> year.  
Press the ◀ or ▶ button to change each value.  
Press the CLOCK button  to switch to the next setting.

To save the time settings press the clock button again. If you don't press it again and don't press any other button for 10 seconds, the procedure is interrupted and the changes you've made are discarded.

### SETTING THE VOLUME (FIG. 7 )

To increase the volume, rotate the volume knob  clockwise. To reduce it, turn the knob to the left.


Briefly press the mute button  to mute the sound. Briefly press mute button again or rotate the volume knob to unmute the sound.

Fig. 7



### TONE ADJUSTMENT (FIG. 8)

The low frequency (bass) boost can be turned on or off:

Briefly press the BASS button. When the bass boost function is on, the BASS symbol lights up.

Fig. 8



### SELECTING THE OPERATING MODE (FIG. 9)

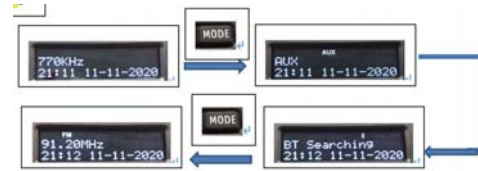
Briefly press the MODE button for selecting the operating mode until the desired mode is displayed.

The following operating modes are available:


- AM Radio reception
- Playback of music source connected via AUX cable
- Playback of music source connected via Bluetooth®
- FM Radio reception

The active operating mode is shown by means of the corresponding symbol on the top of the display.



Fig. 9




### BLUETOOTH OPERATING MODE (FIG. 10)

Activate the Bluetooth® operating mode with the MODE button or press the Bluetooth button .

Activate the Bluetooth function on the device to be connected (smartphone or similar) and select "FLEX FX5351" as the target of the Bluetooth connection. For this purpose, follow the instructions in the operating manual of the paired device (smartphone or similar).

Single press  or  button to change to previous or next song.

Press  button to pause or play.

#### NOTICE:


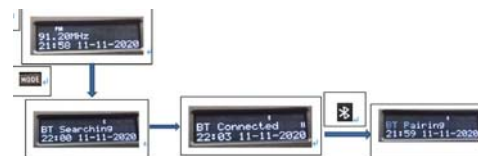
- To disconnect (forget) the Bluetooth device after successful pairing, press the  button and hold for 3 seconds. The paired device is disconnected.
- When in Bluetooth operating mode, the unit will turn off automatically after **10 minutes of inactivity**.

Fig. 10




#### AUX OPERATING MODE: IN/OUT (FIG. 11)

Select the AUX operating mode using the MODE button.

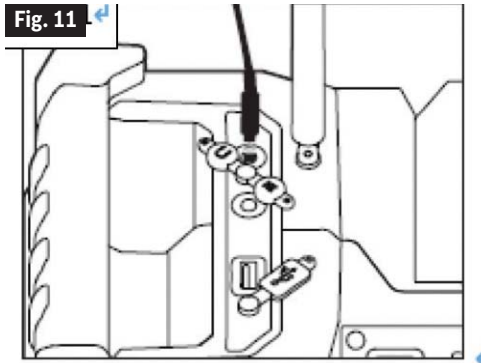
Remove the rubber cover from the AUX IN connector and connect the external music source (MP3 player or similar) using the included AUX cable. Switch on the external music source and start the playback.

Set the volume with the regulator for the external music source or the volume knob of the unit.

An external speaker or headphones can be connected to the AUX OUT connector. Switch on the unit and audio will be output to the external speaker or headphones. You can also briefly press the mute button  to mute the sound

#### NOTE:

- Batteries of the connected devices cannot be charged via the AUX connection.
- When the unit is switched off, the connected devices are not switched off.
- After using AUX or USB connectors, replace the rubber covers to protect the connectors against dust, dirt or moisture.



#### CHARGING EXTERNAL DEVICES VIA THE USB PORT (FIG. 12)

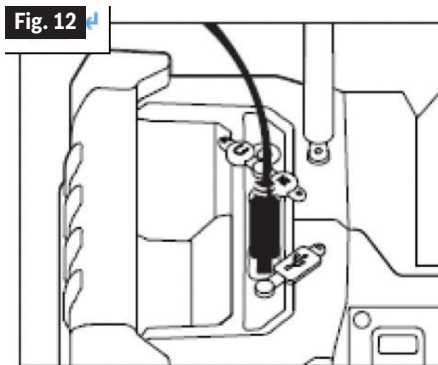
Insert the USB plug of the device to be charged into the USB port of the unit.

The USB power output port is a connection port for powering low power devices such as cellular phones, MP3 players, etc.

Immediately disconnect the USB device after charging.

#### NOTE:

- No music playback available via USB connection.
- After using the USB port, replace the rubber cover to protect the port against dust, dirt or moisture.



### LED LIGHT (FIG. 13)

When the unit is turned on, the LED will default to light the display. You can view the time, radio frequency, and the operating mode on the LED display.

Press the LED button, LED display will be turned off.

Press the LED button again, LED display will be turned on.

Fig. 13



### TUNING AM AND FM

The left and right arrow buttons and the MODE button are used to tune to the desired radio frequency. The selected frequency is shown on the display.

Press the MODE button until AM or FM is highlighted.

**Manual tuning:** Briefly press the ◀ or ▶ button to set the desired frequency. Each press will increase or decrease 0.1MHz for FM, 10kHz for AM. The frequency is shown on the display.

**Scan Tuning:** Press the ◀ or ▶ button and hold for 3 seconds, the tuner frequency will increase to seek the first radio station with strong signal and stop at that station. The frequency is shown on the display. The right arrow button may be pressed for 3 second again to continue seeking a radio station at higher frequencies. The left arrow button may be pressed to seek radio stations at lower frequencies.

### STORING STATIONS IN PRESET MEMORIES (AM AND FM) (FIG. 14)

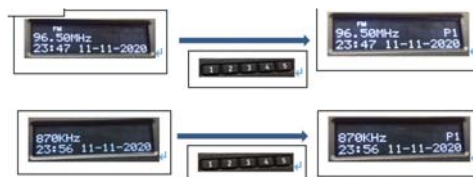
There are 5 memory presets for each waveband.

To store the current radio station, press and hold the desired Preset button until the preset number is shown on the display. The station is then stored in the selected Preset button.


Repeat this procedure for the remaining presets. Stations stored in the preset memory can be overwritten by following the procedures described above.

To recall stations from the preset memories, briefly press the desired Preset button while the unit is in radio mode. The preset number and station frequency will appear on the display.

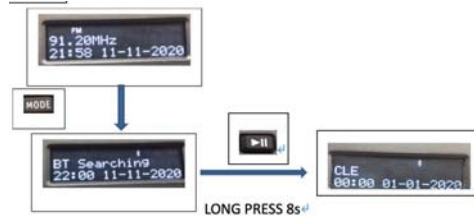
Fig. 14



### SYSTEM RESET (FIG. 15)

Briefly press the MODE button to select the Bluetooth operation mode. Press the  button and hold on for 8 seconds to enter into the factory reset function interface. All stored data in the device will be cleared and restored to the original settings.

**Fig. 15**



### MOUNTING THE UNIT TO A TRIPOD (NOT INCLUDED)

Choose a suitable tripod with 5/8" screw, thread the 5/8" screw into the tripod mounting hole on the unit (Fig. 1).

**⚠ WARNING** Ensure the unit is securely mounted on your tripod. Unsecured unit may fall resulting in personal injuries and/or property damage.



## MAINTENANCE

**⚠ WARNING** To avoid serious personal injury, always remove the battery pack from the unit when cleaning or performing any maintenance.

### SERVICE

**⚠ WARNING** Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause a serious hazard. We recommend that all tool service be performed by a FLEX Factory Service Center or Authorized FLEX Service Station.

### GENERAL MAINTENANCE

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

### CLEANING

**⚠ WARNING** Always use only a soft, dry cloth to clean the unit. Never use detergent or alcohol. Clean dust and debris from vents. Keep the unit clean, dry and free of oil or grease. Never use flammable or combustible solvents around products.

**⚠ WARNING** Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

### STORAGE

Store the unit indoors in a place that is inaccessible to children. Keep away from corrosive agents.

## ACCESSORIES

**⚠ WARNING** The use of any other accessories not specified in this manual may create a hazard.

1.3ft (0.4m) 3.5mm AUX cable  
AC Power Adapter

## FLEX 5 YEAR LIMITED WARRANTY

Chervon North America, Inc. ("Seller") warrants to the original purchaser only, that all FLEX 24V products will be free from defects in material or workmanship for a period of five years from date of purchase when the original purchaser registers the product within 30 days from the date of original retail purchase and retains their receipt as proof of purchase. THE 5-YEAR LIMITED WARRANTY PERIOD IS CONDITIONED ON REGISTRATION OF THE PRODUCT WITHIN 30 DAYS OF PURCHASE AND ONLY APPLICABLE TO FLEX 24V TOOLS, BATTERIES AND CHARGERS. If the original purchaser does not register their product within 30 days, the foregoing limited warranty will apply for a duration of three years. Product registration can be completed online at [www.registermyflex.com](http://www.registermyflex.com).

**24V Tools:** 5-Year Limited Warranty with Registration

**24V Batteries and Chargers:** 5-Year Limited Warranty with Registration

**Corded, 12V and 20V FLEX Legacy Products:** 1-Year Limited Warranty, No Registration Benefit

**Accessories and Attachments:** No Warranty

SELLER'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this 5-Year Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or repaired by persons other than a FLEX Authorized Service Dealer. This warranty does not cover part failure due to normal wear and tear. To make a claim under warranty, return the complete product, transportation prepaid, to any FLEX Authorized Service Dealer. For Authorized FLEX Service Dealers, please visit [www.registermyflex.com](http://www.registermyflex.com) or call 1-833-FLEX-496 (1-833-353-9496).

This 5-Year Limited Warranty does not apply to accessories, attachments or parts.

Any implied warranties applicable to a product shall be limited in duration equal to the duration of the express warranties applicable to such product, as set forth in the first paragraph above. Some states in the U.S. and some Canadian provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

FLEX is not responsible for direct, indirect, incidental or consequential damages. Some U.S. states and Canadian provinces do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply. This limited warranty gives you specific legal rights, and you may also have other rights which vary by state in the U.S. and by province in Canada.

This limited warranty applies only to products sold within the United States of America, Canada and the commonwealth of Puerto Rico. For warranty coverage within other countries, contact your local FLEX dealer.

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