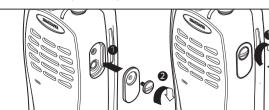


### User Instruction Manual \ Attaching and Removing the Belt Clip

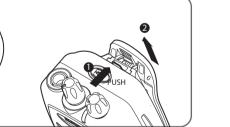
Slide the Belt Clip downward until a click is heard.

Pinch the inside clip and then slide the belt Clip upward.





# User Instruction Manual \



#### Attaching and Removing the Jack Cover ► To Install:

Loosen the screw until the jack cover is detached from the radio in

Affix the jack cover by a screw until the screw is fully tightened.



To ensure peak performance from your radio, the battery pack must be fully charged. Proper care and charging will allow maximum

\* BATTERY ONLY

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performance and life of your battery pack. Desktop Charger provides 2 hours charging to one radio and/or one

> ► Attempt to transmit on a channel set for receive only ▶ Attempt to transmit on a channel that is already in use when busy channel lockout has been programmed into the radio \*

Status Indicators and Audible Alert Tones

Your SP-1000 Series has a sophisticated microprocessor control which

Upon initial power up, a quick melody indicates that the self-test of the

tones may be sounded with any of the following conditions:

microprocessor functions has been completed satisfactorily. A series of

provides a series of audible alert tones.

► Transmitting time has exceeded time-out timer programmed length \* Volume knob is rotated clockwise beyond the detent. Upon entry of ne Power-On mode, the radio shall perform the 1 time power-on Selecting a channel with no programmed frequency alert to indicate that it has been turned on ₩ High / Low Power

User Instruction Manual \

 $\boldsymbol{\ast}$  Indicates a function that is initially programmed into the radio by

TX Inhibit N/A Two beeps

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Time-out-timer N/A Single beep/3 beeps repeated

The radio shall be capable of programmable output power. Each channel can be programmed via pc programmer to have either high or low power. It can also be set by pressing the option buttor **NOTE:** All audible tones can be programmed off for silent operation.

\_\_\_\_\_\_12 \_\_\_\_\_\_13

Status Description LED color Audible Tone Normal Power On - Ready N/A Melody

Call Received Orange N/A

Correct Call Green N/A

Busy Channel Orange N/A

Transmit Red N/A Frequencies and functions can be programmed from radio to radio by using a cloning cable. If the password function is enabled, the user must enter a password for the radio to become operational.
You can enable the password and set the password code by using the Transmit not allowed Red Flashing Two beeps PC programmer. You can also set the password enable/disable by a Scanning Normal Scan mode Green Flashing N/A programmable key (password and menu option). At this time you can Warning Low Battery Red Flashing 2 beeps repeated
Busy Channel lockout Orange 2 beeps repeated enter the password code by using the EMG/PTT/MON/OPTION button

User Instruction Manual \ ✓ Table of Contents Synthesized Scanning Radio .... Operating Instructions ..... ► About Your SP-1000 Series Radio ····· 3 ■ Safety Information · · · · 4 ■ Unpacking Information ...... 5 ■ SP-1000 Series Features ...... 6

■ Description of Radio Components ..... 7 ■ Antenna Installation · · · · · 8 ■ Installing and Removing the Battery Pack ...... 9

■ Attaching and Removing the Belt Clip ······10 ■ Attaching and Removing the Jack Cover ······10 ■ Battery Charging and Care ······11 ■ Status Indicators and Audible Alert Tones ······12 ■ Power Off Mode ......13

■ Power On Mode ------13 ■ High / Low Power ......13 ■ Fixed Key ······

■ Licensing and Service Information ····· 15~17 ► FCC Licensing · · · · 15 ► Recycling/Disposal of Batteries · · · · · 15

User Instruction Manual

► Limited Warranty ......17 ■ CHL-100L Desktop Regular Charger ····· 18~20

Operation Mode

the SP-1000 Series Radio.

The SP-1000 Series shall enter Off mode when the On/Off Volume

detent. Upon entering Off mode, the radio shall store its current

The SP-1000 Series shall enter Power-On mode when the On/Off

code. If the code is not correct, the LED will blink red and there will be

a double beep repeated. To disable the password function, you can

select On/Off by using the PC programmer. The default is disabled.

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channel (if Power On Channel function is disabled via PC programmer).

**∀** Power Off Mode

User Instruction Manual \ Synthesized Scanning Radio

► FCC RF EXPOSURE COMPLIANCE REQUIREMENTS FOR OCCUPATIONAL USE ONLY The Federal Communications Commission (FCC), with its action in General Docket 93-62, November 7, 1997, has adopted a safety standard

Maxon's SP-1000 Series radio feature up to 16 channels. Operation and functions for these radios are described in this manual. We urge you to thoroughly read this manual before operating the for human exposure to Radio Frequency (RF) electromagnetic energy emitted by FCC regulated equipment. Proper operation of this radio will result in user exposure far below the Occupational Safety and Health Act

PERFORMANCE SPECIFICATIONS

(OSHA) and Federal Communications Commission limits. • **DO NOT** transmit for more than 50% of total radio use time (50% duty relative to your needs. cycle). Transmitting more than 50% of the time can cause FCC RI

• This radio is NOT approved for use by the general population in an uncontrolled environment. This radio is restricted to occupational us SP-1000 Series Specification work related operations only where radio operator must have the knowledge to control the user's exposure conditions for satisfying the higher exposure limit allowed for occupational use. EQUIPMENT TYPE When transmitting, hold the radio in a vertical position with its

• The radio is transmitting when the red LED on the front of the radio is illuminated. You can cause the radio to transmit by pressing the PTT bar These are required operating configurations for meeting FCC RF

exposure compliance. Failure to observe these restrictions mean

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Fixed Key

• Press and Hold to transmit. Release to receive mode.

Look Back channel edit

Tx power H/L

Short pressing: Enable/Disable Scan

2 Power on with press and holding PTT Key to see software version

Releases the squelch and tone circuit to check whether the channel is

Transmit EMG ID 5 times and generate warning audio alert during

exposure compliance requirements to be exceeded.

microphone 1 inches (2.5 cm) away from your mouth.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This devices may not cause harmful interference, and (2) This device must accept any interference received, ncluding interference that may cause undesired operation.

User Instruction Manual \

**♥** Operating Instructions

## ► About Your SP-1000 Series Radio

Application of some of the functions described in this manual is determined by the system you use. Your Maxon Dealer will program your radio so that you have the greatest number of functions possible

Should you have questions regarding the operation of the radio please consult your Maxon Dealer.

VHF(148~174MHz) UHF(440~470MHz) CHANNEL SPACINGS 12.5kHz / 25kHz PROGRAMMBLE

\_\_\_\_

500mW (EXT WITH 8 OHM) 1W (INT WITH 4 OHM) NTERMEDIATE FREQUENCIES 45.1MHz E SYNTHESIZER Li-lon(1500mA)

User Instruction Manual \

Licensing and Service Information

for information about obtaining a license.

\_\_\_\_\_\_14 \_\_\_\_\_\_\_\_\_\_15

The Federal Communications Commission requires that the operator of

Consult with your Maxon Dealer, or contact the nearest FCC Field Office

this radio be properly licensed under the applicable Part and/or Parts

Do not tamper with internal adjustments. Damage to the equipment

and/or improper operation may result. There are no user serviceable

a qualified Maxon Dealer for any service or repairs.

items inside the radio. It is recommended that you return your radio to

For further information on how to safely dispose of your used batteries ,contact your Maxon Dealer.

User Instruction Manual \

The Federal Communications Commission (FCC), with its action in General Docket 79-144, March 13, 1985. Has adopted a safety standard for human exposure to Radio Frequency (RF) electromagnetic energy emitted by FCC regulated equipment. Maxon subscribes to the same safety standard for the use of its products. Proper operation of this radio will result in user exposure far below the Occupational Safety and Health Act and Federal Communications Commission limits.

Safety Information

Software Copyrights

**WARNING** - **DO NOT** hold the radio in such a manner that the antenna is next to, or touching, exposed parts of the body, especially the face or eyes, while transmitting.

**WARNING** - **DO NOT** allow children to operate transmitter equipped radio equipment.

⚠ CAUTION - DO NOT operate the radio near unshielded electrical blasting caps or in an explosive atmosphere unless it is a type especially designed and qualified for such use.

**CAUTION** - **DO NOT** press and hold the transmit switch (P-T-T) when not actually wishing to transmit

**NOTE:** This radio operates in FCC regulated frequency bands. All radios must be licensed by the FCC before use. Because this radio contains a transmitter, federal law prohibits unauthorized use or adjustments of

User Instruction Manual

The Maxon products described in this operating instruction manual

may include copyrighted Maxon software programs stored in semi-

conductor memories or other media. Laws in the United States and

other countries preserve for Maxon certain exclusive rights for copy-

reproduce in any form the copyrighted software program. Accordingly

righted software programs, including the exclusive right to copy or

the copyrighted Maxon software programs contained in the Maxon

copied or reproduced without the express written permission of

Maxon. Furthermore, the purchase of Maxon products shall not be

applications of Maxon, except for normal non-exclusive royalty free

Your SP-1000 Series Radio is designed to be maintenance free. To

Clean external surfaces with a clean cloth dampened in a solution of

dishwasher detergent diluted in water. Apply the solution sparingly to

avoid any moisture leaking into cracks and crevices. Do not submerge

the radio. Use a non-metallic brush to dislodge stubborn particles, if

DO NOT use solvents or spirits for cleaning - they may permanently

cloth to remove dirt, grease, or other foreign material that may impede

necessary. Dry the surface thoroughly with a soft, lint free cloth.

Clean the battery contacts on the back of the radio with a lint free

keep your radio in good working condition:

damage the housing.

good electrical contact.

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license to use that arises by operation of law in the sale of a product.

deemed to grant either directly or by implication, estoppel, or

otherwise, any license under the copyrights, patents or patent

products described in this operating instruction manual may not be

User Instruction Manual \ Unpacking Information

Remove and carefully inspect the contents of your package(s) for the

User Instruction Manual \

Maxon shall have no obligation to make repairs or to cause replacement

required which result from normal wear and tear or necessitated in

improper or unauthorized alterations, repairs to the Product, use of the

whole or in part by catastrophe, fault or negligence of the user,

Product in a manner for which it was not designed or by causes

external to the Product. This warranty is void if the serial number is

THE EXPRESS WARRANTIES CONTAINED HEREIN ARE IN

LIEU OF ALL OTHER WARRANTIES, EITHER EXPRESSED OR

MPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION

REPAIRED OR REPLACEMENT. IN NO EVENT WILL MAXON BE

DAMAGES, INCLUDING ANY SPECIAL, INCIDENTAL, INDIRECT

PROFIT, REVENUE OR DATA ARISING OUT OF THE USE OF OR

ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A

WARRANTY SPECIFIED. THE SOLE REMEDY WILL BE

THE INABILITY TO USE THE PRODUCT.

ABLE TO THE BUYER OR ITS CUSTOMERS FOR ANY

OR CONSEQUENTIAL DAMAGES, OR FOR THE LOSS OF

PARTICULAR PURPOSE.

Spring Belt Clip

6 Battery Charger Power Supply

Operating Instructions

Look back channel CTCSS/DCS tone signaling

\* If any items are missing, please contact your Dealer or Maxon.

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3 On/Off - Volume Control 4 Emergency Button Push-To-Talk (PTT)

6 Monitor Button Option Button

Microphone

Battery Latch Belt Clip

CHL-100L Desktop Regular Charger

The CHL-100L is Regular Charger for Maxon's SP-1000 Series Two-way

The charger has been designed to fully charge only the Li-Ion, 1500mAh

battery, the front charging slot charges a battery while connected to the

radio, the back charging slot charges a battery that has been removed

▶ Plug the AC adapter cable into the adapter jack locked on the rear of

Product description

Plug the AC adapter into an AC outlet

Orientation

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User Instruction Manual \

User Instruction Manual \

# SP-1000 Series Features

► 1 or 5 W programmable output power

► Programmable 12.5/25 kHz channel spacing Priority channel scan

2-Tone Decode Busv channel lockout Time-out timer

Priority Channel Edit

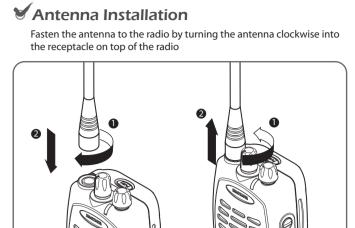
**∀**Description of Radio Components

 Antenna Receptacle 2 Channel Selector Switch

RX/TX Indicator

Accessory Connector (EXT Jack)

User Instruction Manual

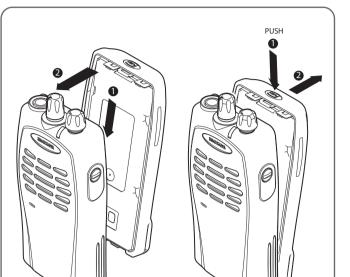


User Instruction Manual

**⚠** CAUTION • NEVER HOLD by the antenna when carrying the transceive

Transmitting without an antenna may damage the transceiver.

fold it into the radio until a click is heard. Press the button on the top of the battery and pull the battery out from



**४** Installing and Removing the Battery Pack

Connect the bottom of the battery to the rear and bottom of radio and

User Instruction Manual \

#### User Instruction Manual

Do not use the charger when it is covered by objects which impede heat dispersal.

specified on its label.

~ MEMO ————

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# Safety information

#### To reduce the risk of shock or injury, familiarizes you with the prope and safe operating procedures defines in this manual. Only charge Maxon's battery in this charger - other battery types may burst causing

personal injury/or damage to the charger, battery or radio.

Remove the charger base and AC adapter from packaging.

the leftover capacity, current charge status of the battery

Plug the AC adapter into an AC outlet.

Your charger is now ready to begin charging

▶ Plug the AC adapter cable into the adapter jack located on the rear of the

Charging starts automatically when the radio equipped with battery is

in place. The charging time is approx 10 hours or less, depending upon

Red During charging

Green Fully charged

Blinking orange Extreme cold(under -10° C; 14° F

Blinking red Error

NOTE: If your battery seems to have no capacity even after being fully

charged, completely discharge them, then fully charge them again. If

they still do not retain a charge, new batteries must be purchased.

Fully charged

Extreme heat(over +60°C; 140°F)

The CHL-100L desktop charger is rated for indoor use only. Do not disassemble the charger, incorrect reassembly can cause fire or electric shock.

Do not pull output plug with excessive force.

Connect the supplied Maxon adapter only to the voltage supply as

 Unplug the AC adapter from wall outlet before attempting inspection or cleaning of the charger.

Do not use solvents such as benzene or paint thinner to clean the