

### Introduction

- The CHG-3101 is a designated charging cradle for the OPR-3101 handheld laser scanner. This cradle can also be used as a stand when the scanner is not in use.
- Read this quick start guide carefully before installing and/or using this product.
- Keep this quick start guide for future reference and store in a safe place.

### Notice

- This quick start guide may be revised or withdrawn at any time without prior notice.
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### Caution and Warning

#### Handling Instructions [CHG-3101]

- Do not attempt to disassemble, modify or update this product.
- Do not drop this product or put heavy items on this product.
- Do not insert foreign substances into this product.
- Do not use this product in the following areas:
  - In areas exposed to direct sunlight for long periods of time.
  - In dusty environments.
  - Near water or other liquids, or in extremely high humidity.
  - Near heat sources, such as radiators, heat registers, stoves, or other types of devices that produce heat.
  - Near microwaves, medical devices, or low-power radio stations.
- If water or any metallic object gets into this product and if you detect smoke or a strange smell coming from the device, please stop operating the unit and contact your nearest dealer.
- When cleaning this product, rub gently with either a soft dry cloth or a damp cloth with mild detergent.

#### [Battery Pack]

- Do not attempt to disassemble this battery.
- Do not expose the battery pack to liquids or allow the battery contacts to get wet.
- Do not expose the battery pack to heat sources, including other devices that produce heat.
- Do not short the power leads on the battery pack. If the (+) and (-) terminals come in contact with metals (such as a necklace or hairpin), a short-circuit will occur.
- Do not load the battery pack with its (+) and (-) terminals reversed.
- If you come into contact with material from a leaking battery pack, take the following actions:
  - If the material gets into the eyes, do not rub. Immediately flush the eyes with clean water and seek medical attention.
  - If the material comes into contact with the skin or clothes, immediately rinse the affected area with clean water. Consult your physician if inflammation or soreness develops.
- Check local regulations for proper battery disposal.

### Before Getting Started

#### ■ What's in the Box

Please confirm that you have the following items before getting started:

No.	Items	Product No.	Function
1	Cradle	CHG-3101	Designated charging cradle for the OPR-3101.
2	AC Adapter	GP-ACGN-13T-K4-2	Designated AC adapter for the CHG-3101.
3	Quick Start Guide	5J0084	Provides product information and instruction guide.

**Note:** The number of accessories may differ depending on the product specification.  
Please contact the nearest dealer if accessories are damaged or missing.

## Overview

### ■ CHG-3101 Basic Specifications

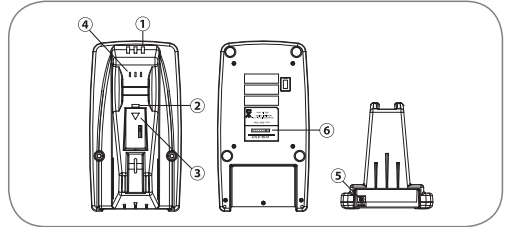
Parameter		Specifications
Physical Features	Size	(H)115 × (W)100 × (D)185 mm Max
	Weight	250g Max
	Color	Light Gray
Control Section	Power Management IC	Constant-current, constant-voltage charger with automatic temperature control feature
Power Supply Section	Operating Voltage	5.7V to 6.3V Dedicated AC Adapter: 6.0V ± 5%
	Current Consumption	Standby: 25mA or less (when not charging) Max.: 750mA (when charging)
	Charging Time	About 5 hours
Power Feed Section	For Charging the OPR-3101	Output: DC 5.6V (Typ.) Terminals: +, - and Power Feed Control
Battery Charging Section	For Charging the Battery Pack	Output: DC 4.2V (Typ.) Terminals: + and -
Durability	Operating Temp.	0 deg. C to 40 deg. C
	Operating Humidity	25% to 85% (non-condensing)
	Storage Temp.	-20 deg. C to 60 deg. C
	Storage Humidity	20% to 90% (non-condensing)
	Vibration Endurance	Increase the frequency of the vibration from 10 Hz to 100 Hz with accelerated velocity 19.6m/s <sup>2</sup> for 6 minutes each in X-, Y- and Z-direction. Repeated this test for 10 times in each direction.
	Shock Endurance	Dropped 6 times onto concrete from a height of 75 cm with no defects found.
	Anti-static Electricity	± 15kV (no destruction)

\* Some of the product specifications are related to the specifications of the OPR-3101.

### ■ AC Adapter Basic Specifications

Parameter		Specifications
AC Adapter	Product No.	GP-ACGN-13T-K4-2
	Input	Power Voltage: AC 90V to 264V Current Consumption: 0.2A Max
		Output

### ■ Detailed View



No.	Part	Function
①	Power Supply Status LEDs	Used to alert users to the status of power distribution between the AC adapter and the cradle.
②	Charging Status LEDs	Used to alert users to the charging status of the battery.
③	Battery Pocket	Set the battery in this pocket to charge up it.
④	Charging Terminals	Used for power distribution and power management.
⑤	DC Jack	DC-6V power supply jack
⑥	Serial Label	

## Using the Cradle

### ■ LED Notification

Status LEDs	Color	Function
Power Supply	Red	Turn solid RED when the main power is ON.
Charging	Green	Turn solid GREEN when the cradle detects a fully charged battery. If the battery is not detected or if the battery is not set correctly in the battery pocket, one of the LED turns solid Green and the other LED flashes RED once in every 3.5 seconds.
	Red	Turn solid RED while the battery is being charged. Depending on the remaining battery level, the LEDs may turn ORANGE first and then change to RED.

### ■ Charge Function

- Set the designated battery in the battery pocket to charge up the battery. Make sure that the charging terminals of the battery contact the charging terminals in the bottom of the battery pocket.
- If the cradle detects the battery built into the scanner while the other battery pack is inserted in the battery pocket, the cradle charges the scanner battery first. If the cradle is ready to charge the battery pack, the Charging Status LEDs turn solid RED.
- It takes about 5 hours to fully charge an empty battery.



- ※ If you try to charge the battery pack with the ambient temperature outside the range of 0 to 40 degrees C, the cradle may stop the charging operation to protect the battery pack.
- ※ Please clean the charging terminals of the scanner on a regular basis.

## Contact

Please contact OPTICON or your local dealer.

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More product details, additional support, and configuration options (from the Universal Menu Book) are available at [www.opticon.com](http://www.opticon.com).