



2WIN



BATTERY CHARGER USER MANUAL

INDEX

Warnings	pp. 2-4
Set Up	p. 5
Led Information	p. 6
Label and Symbol	pp. 7-8
Technical Information	pp. 9-10
EMC Tables	pp. 11-16

WARNINGS



READ CAREFULLY THE OPERATING MANUAL OF 2WIN BEFORE USING THE BATTERY CHARGER



THIS DEVICE MUST NOT BE USED IN OXYGEN RICH ENVIRONMENTS OR IN PRESENCE OF FLAMMABLE PRODUCTS



TO REDUCE THE RISK OF INJURY, CHARGE ONLY BATTERY MODEL CS-SP112XL AND PSP-110ML



THIS DEVICE IS DESIGNED TO BE USED INDOOR. DO NOT EXPOSE TO WATER: THIS COULD LEAD TO ELECTRIC SHOCK



USE ONLY WITH ACCESSORIES
SUPPLIED BY ADAPTICA (USB CABLE,
POWER SUPPLY, ETC.)



NO MODIFICATION OF THIS
EQUIPMENT IS ALLOWED. ONLY
TECHNICIANS AUTHORIZED BY THE
MANUFACTURER MAY SERVICE THE DEVICE



The device has been tested and found to comply to the limits for medical devices contained in IEC60601-1-2.

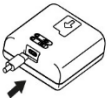
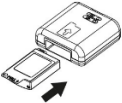



The device may cause radio interference or may disrupt the operation of nearby equipment.








It may be necessary to take mitigation measures, such as re-orienting or relocating the 2WIN Battery Charger or shielding the location.










SET UP





 A line drawing of a small, rectangular white charger. A USB type-C cable is being inserted into the front port. A black arrow points to the cable's connector.	<p>Insert USB type-C cable into the charger, and connect it to power supply</p>
 A line drawing of the same white charger. A battery is being inserted into the top-loading compartment. A black arrow points to the battery.	<p>Insert the battery inside the charger</p>
 A line drawing of the white charger with the battery partially inserted. A black arrow points downwards, indicating the battery is to be removed.	<p>Extract the battery and use it in the 2WIN</p>

LED INFORMATION

	Red battery light: battery is charging
	Green battery light: battery is charged
	Battery light off: no battery or damaged battery
	Green power light: Power on
	Power light off: no power

LABEL AND SYMBOLS

 <p>SHENYANG EYEROBO CO. LTD No. 66 SISHUI STREET, HUNNAN DISTRICT, 110163 SHENYANG - CHINA Model: C-HE18  serial number Input:  5V, 750mA Output:  4.2V, 650mA</p>     <p>yyyy-mm-dd</p>	 <p>Electronic device subject to the WEEE Directive on waste disposal</p>
--	--

	CE Marking
	Manufacturer ID
	Read user manual
	Date of manufacturing

TECHNICAL INFORMATION

- AC/DC 110/240 VAC, 50/60 Hz
- Power cable: USB type-C standard cable
- Cable min-max length: 1-1.5 m
- Weight: 70 g
- Battery type: CS-SP112XL and PSP-110ML
- Battery charger size: 6.5 X 7.0 X 2.5 mm
- Rated Voltage: 5 V
- Standard charge: CC-CV method with charge current of 600 mA

- Maximum operating temperature: 25°C
- The battery charger can be attached to metallic surfaces

EMC TABLES

<u>Guidance and manufacturer's declaration – electromagnetic emissions</u>		
The 2WIN Battery Charger is intended for use in the electromagnetic environment specified below. The customer or the user of the 2WIN Battery Charger should assure that it is used in such an environment.		
Emissions tests	Compliance	Electromagnetic environment – guidance
RF emissions CISPR 11	Group 1	The 2WIN Battery Charger uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.

RF emissions CISPR 11	Class B	The 2WIN Battery Charger is suitable for use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	

Guidance and manufacturer's declaration – electromagnetic immunity

The 2WIN Battery Charger is intended for use in the electromagnetic environment specified below.
The customer or the user of the 2WIN Battery Charger should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance	Electromagnetic environment – guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	Complies	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.

Electrical fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output lines	Complies	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	Complies	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	$< 5\% U_T$ ($> 95\%$ dip in U_T) for 0,5 cycle $40\% U_T$ (60% dip in U_T)	Complies	Mains power quality should be that of a typical commercial or hospital environment. If the user of the 2WIN Battery

	<p>for 5 cycles 70 % U_T (30 % dip in U_T) for 25 cycles <5 % U_T (>95 % dip in U_T) for 5 s</p>		<p>Charger requires continued operation during power mains interruptions, it is recommended that the 2WIN Battery Charger be powered from an uninterruptible power supply or a battery</p>
<p>Power frequency (50/60 Hz) magnetic field IEC 61000-4-8</p>	<p>3 A/m</p>	<p>Complies</p>	<p>Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or</p>

			hospital environment.
NOTE U_T is the a.c. mains voltage prior to application of the test level.			



Adaptica Srl

Via San Marco 9/H, 35129 Padova (PD), Italy

support@adaptica.com

www.adaptica.com