

Targus Lithium Ion Charger Model: TG-LCUV



Figure 1

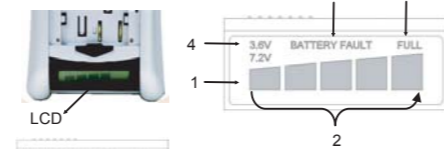
Operating Instructions
Congratulations on the purchase of your new Targus Universal Lithium Ion Battery Charger.

The charger includes 2 adaptor plates for charging both camcorder and digital camera batteries, an AC Power Adaptor and a DC car cord for in-vehicle (12 Volt DC) charging.

Features

- * Suitable for most Li-ion digital camera and camcorder battery packs via the exchangeable adaptor plates.
- * Suitable for 3.6V and 7.2V Li-ion battery packs.
- * Automatic battery full detection for optimum charging results.
- * "Top-off" charging phase ensures highest operating times for battery packs.
- * Automatic detection of battery voltage.
- * Backlit LCD charging and status indication.
- * Faulty battery detection.
- * Overcharge protection.
- * Safety timer protection.
- * Reverse polarity protection.
- * For in-home use via AC power adaptor and mobile use via cigarette lighter socket (12 Volt DC).

Indicators and Controls



POWER INDICATOR (1)

Indicates that the charger is connected to the main power adaptor and ready for use, the backlight of the LCD panel is illuminated and all indicators will turn on.

BATTERY CAPACITY INDICATOR (2)

Indicates that the charger is connected to the main power adaptor and ready for use, the backlight of the LCD panel is illuminated and all indicators will turn on.

FULL CHARGED INDICATOR (3)

When all of the 5-BAR indicators are solid the battery is fully charged.

BATTERY TYPE INDICATORS (4)

One of the above displays will light up indicating the type of battery being charged (3.6V Li-ion or 7.2V Li-ion or NiCd/NiMH). The display may flash during the battery monitoring phase - this is normal.

BATTERY FAULT FAULT INDICATOR (5)

If you see the ERROR display symbol flashing, there may be a fault in the battery being charged, or the protection mode has been triggered due to improper operation (short circuit, reverse polarity etc.). There may be a problem with your battery.

ATTENTION

Connect ONLY rechargeable Li-ion battery packs. NEVER charge Alkaline or other types of batteries. There is a danger of batteries exploding if other battery types are connected to the charger.

SAFETY INSTRUCTION

- * Do not attempt to open the charger.
- * Keep the charger in a dry place. Charger is designed for indoor use only.
- * To avoid the risk of fire and/or electric shock, the charger must be protected against high humidity and water. Do not plug in the charger if there are any signs of damage to the housing, AC adaptor, or DC connector.
- * Please read the operating instruction carefully before using the charger. If the safety instructions are not followed, this may lead to damage to the charger, batteries, or even serious injuries to the user.

OPERATION

- * The charger is ready for use once the AC power adaptor is connected to the main supply or the DC cigarette lighter plug is connected to the charger. The LCD back light will light up and all indicators will be turned on momentarily to indicate normal power up.
- * When using in car, connect the DC adaptor to the cigarette lighter socket and the DC output plug to the charger. Ensure that the current supply to the lighter socket is switched on. Some cars require the ignition to be switched on.
- * Choose the correct battery adaptor plate for your battery and attach it to the charger base. The enclosed comparison list helps you to find the correct battery adaptor plate for your battery.

- * Insert the selected battery adaptor plate into the guide rails at the top of the charger base, then push it toward the charger until it clicks into place.
- * To remove the battery adaptor plate, you will need to press down on the release button and lift the plate up from the charger.
- * Check that the battery adaptor plate fits securely in place, and then connect the battery pack to be charged to the plate. Make sure the polarity of the battery pack matches the polarity of the contact pins of the adaptor plate. Since the adaptor plates are designed for many different types of Li-ion battery packs, it is necessary to pay close attention to the markings on the adaptor plates. Additional instructions are included in this manual for the battery positioning of Universal Plate.
- * When connecting the battery packs make sure that the contacts of the battery and adaptor plate interlock correctly. Do not use excess force to push the battery pack into place.
- * Once the battery pack is connected properly, the charging process begins and the charge indicator will flash. After several seconds the corresponding charging status indicator and battery type indicator light will turn on to indicate the charging progress and battery type being charged.
- * The "FULL" indicator will turn on and stay on to indicate the charging process is complete. It is recommended the battery pack be kept in the charger for an additional 15-30 minutes, during which time the battery is provided with a "Top-off" charge after the completion of fast charging. This special "Top-off" charge ensures optimum performance from the battery pack by keeping the battery topped up until used.
- * If, after inserting the battery pack, the "BATTERY FAULT" indicator flashes continuously, an error has been detected. Reasons for this error may be one of the following:
 - a. A faulty battery
 - b. The connected battery pack cannot be recharged because the battery voltage is too high or too low.
 - c. The polarity of the battery is connected in reverse.
 - d. The maximum charging time of around 8 hours (safety timer) has exceeded, but the battery pack does not identify battery as being fully charged.

TROUBLE SHOOTING

LCD does not light up, or no indication on LCD:
* Ensure that the AC power adaptor and/or the DC car adaptor are connected properly to the power source and to the charger.
* Check if power is available.

Battery pack is connected but charge or status indicator does not light up:
* Check battery pack. The connected battery pack may have been charged already.
* Battery pack or adaptor plate is not connected correctly - disconnect and reconnect.
* Contact may be covered with dirt - clean contacts of the charger and the battery.
* Faulty battery.

ENVIRONMENT

Rechargeable batteries are not to be disposed in domestic waste. Return used batteries to your dealer or to a battery recycling collection plant.

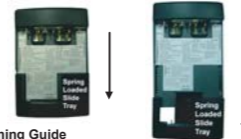
MAINTENANCE AND CLEANING

To ensure proper functioning of the charger keep the contacts of the base unit and the adaptor plates free from dust and dirt. To clean the charger, disconnect it from the power adaptor and use a dry cloth only. Do not attempt to open the charger.

UNIVERSAL PLATE INSTRUCTIONS

*The Universal Plate label lists only a small portion of batteries that are compatible with this charger plate. Please refer to the Battery Compatibility List for the entire make/model list of compatible batteries.

Note: When inserting your battery to the correct position for charging, you may need to apply pressure and pull down to open the spring loaded slide tray (see below pictures for reference).



Battery Positioning Guide

- | | | |
|--|---|--|
| | For:
JVC:
KONICA MINOLTA:
NIKON:
OLYMPUS:
SANYO:
SONY: | BN-V306, BN-V312U
NP-200, NP-400, NP-800, NP-900
EN-EL1, EN-EL3, EN-EL8
PS-BLM1
DB-L20, UR-421
NP-FT1, NP-FR1, NP-FE11 |
| | For:
CANON:
CASIO:
FUJII:
JVC:
KODAK:
KONICA MINOLTA:
NIKON:
OLYMPUS:
PANASONIC: | NB-1L, NB-1LH, NB-2L, NB-2LH, NB-3L,
NB2F12, BP-2L12, BP-3LCL
NP-30, NP-40
NP-40, NP-60, NP-120
BN-V37U
KLIC 5000, KLIC 5001
DR-LB4NP-1, NP-600
EN-EL5
LI-10, LI-10B, LI-12B, LI-20B, LI-40B
CGR-S101A, CGA-S301, CGA-S302A,
CGA-S003A/1B, DMV-BC7, DMV-BCB7,
VW-VBA05, VW-VBA10
D-L12, D-L17, D-L18
DB-40, DB-43
DB-L10
PDR-BT2, PDR-BT3 |

- | | | |
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| | For:
KONICA MINOLTA:
KYOCERA:
POLAROID:
SHARP:
SONY:
TOSHIBA: | DR-LB1
BP-800S, BP-1000S
PR111DG, PR110DG
AD-S30BT/S31BT, AD-T50BT/T51BT
LIP-4WM
PDR-BT1, PDR-BT9 |
| | For:
FUJII:
JVC:
KODAK:
PANASONIC:
POLAROID:
RICOH:
SANYO:
SONY: | NP-80, NP-100
BN-V101
KLIC-3000
VW-VBP10
PR105DG
DB-30
UR-211
LIP-10 |
| | For the following batteries you will need to flip up the "Flip 2" mating battery contact terminals found on the right side of charger plate (as shown in the pictures). | |
| | PANASONIC:
CGA-DU07, CGA-DU14, CGA-DU21, CGA-S001E,
CGA-S002, CGA-S006E, CGR-602A, CGR-602E,
CGR-D120, CGR-D220, DMW-BCA7, DMW-BM7,
DMW-BL14, VW-VBD07, VW-VBD14 | |
| | For:
CASIO:
FUJII:
JVC:
KONICA MINOLTA:
NIKON: | NP-20
NP-30
BN-VF707, BN-VF714, BN-VF733
NP-700
EN-EL2 |
| | For:
CANON:
PANASONIC:
RICOH: | NB-4L
DMW-BCC12
DB-60 |