

MANUAL

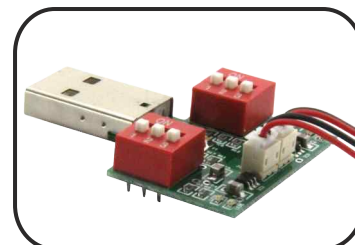
Double LiPo Charging Board

Order No. 14500

USB LiPo Charging Board for simultaneous charging of 2 single cell batteries (from 10mAh)

TECHNICAL DATA:

| | | |
|-----|------------------------------|--|
| IN | Nominal charging voltage (V) | 3.7 |
| | Charging current (mA) | 20/70/120/170/270/320/370 |
| OUT | Charging end voltage (V) | 4.2 |
| | Input voltage (V) | 5 Volt USB |
| | Dimensions (mm) | 42 x 32 x 10 |
| | Charging current selection | via DIP switch |
| | Connection | 2 pole JST connector, reverse polarity protected |



Size: 42 x 32 x 10 mm

General information:

The Double LiPo Charging Board is specially designed for simultaneous charging of 1 or 2 lithium polymer batteries with different capacities. The charging current can be adjusted to suit the respective battery capacity using various DIP switch settings. The dual charger draws its supply voltage from a USB port, such as a power bank. This means that the double LiPo charger can be used for charging anywhere.

Delivery includes 2 JST cables.

Charge level control:

The red LED lights up as soon as the dual charger is supplied with power. If the green LED also lights up, either no battery is connected or the battery is fully charged. We recommend disconnecting the battery from the double charger when charging is complete.

!!! ATTENTION !!!

- Use the double LiPo charger exclusively for single cell 3.7 volt lithium polymer cells!
- Reverse polarity of the battery destroys the charger!

SETTING THE CHARGING CURRENT:

| Charging current in mA | Switch 1 | Switch 2 | Switch 3 | |
|------------------------|----------|----------|----------|--|
| 20 | OFF | OFF | OFF | |
| 70 | ON | OFF | OFF | |
| 120 | OFF | ON | OFF | |
| 170 | ON | ON | OFF | |
| 270 | OFF | OFF | ON | |
| 320 | ON | OFF | ON | |
| 370 | OFF | ON | ON | |
| 420 | ON | ON | ON | |

NOTE ON HOW TO DETERMINE THE CHARGING CURRENT:

The charging characteristic of a LiPo provides information about the charging current. If this information is not available for the battery, then the charge current can be determined as follows:

Capacity in mAh = Charging current in mA. e.g.
 Capacity 150 mAh = max. charging current 150 mA
 Capacity 45 mAh = max. charging current 45 mA

This ensures a "gentle" charging of the battery and helps to prolong its service life.

