

RP-DC80

Professional Battery Charger / Constant Power Supply

The RP-DC80 is Professional Intelligent Battery Charger and Constant Power Supply unit. Dual operational mode (Charger & Power Supply), is designed for use on Professional Video Products. Battery Charger mode is designed for charging 14.8V Professional Battery Packs, and Power Supply mode is designed to give Constant Power Supply for all Professional Video, Audio, Photo and Light Products, from 9.5V to 17V 90W / 5A. The additional USB Power Output give possibility to Charge all other Devices with 5V/1A USB Power Input.



According to the on field experience of the Professional Video Users, we had idea to create the Multifunctional Intelligent power unit that will serve Broadcast and Production users in every way. With **RP-DC80** we try to bring to the users **ONE UNIT THAT MAKES IT ALL**

The RP-DC80 it totally Intelligent (user friendly) and self adapting power unit, that can be used in studio and on the field in many powering ways.

To give Constant Currency Power Supply to next Broadcast products:

- All known world Brand Professional Video Cameras (SONY, PANASONIC, JVC, AYA. BLACKMAGIC DESIGN, THOMSON, CANON, HITACHI)
 - All known world Brand Professional Video Camcorders (SONY, PANASONIC, CANON, JVC, HITACHI)
 - Professional Video LCD Monitors
 - LED Light Panels
 - Audio products from SOUND DEVICES and video products from VIDEO DEVICES
- And all other units that need power supply from 12.5V to 17V / 90W (max). We will provide full list of Electronic units on our official web site



To charge Professional Batteries that run on 14.8V

- All known world Brand Professional Batteries (SONY, SWIT, IDX, BLUESHAPE, DYNACORD, ANTONBAUER, PAG)
- We will provide full list of Batteries on our official web site

Accordint to the different models of Extended Power Cables you can use the RP-DC80 on all above mentioned products. It is the same idea as the RP-DC20 charger and RP-DC50 charger just in this case instead of the changeable battery plates we use Extended Power Cables. But in this case since the RP-DC20 and 50 are just the Battery Chargers the RP-DC80 is also the **CONSTANT POWER SUPPLY UNIT**.



There is a big difference in Constant Power and Battery Charging mode.

In constant power mode, RP-DC80 gives full power on the output with constant currency all the time, and controls the overpowering, and currency overload. But in Battery charging mode the RP-DC80 becomes fully professional battery charger that first mesures the capacity of the battery and then starts with charging mode, where on the start the currency power is max 2.3A and as the charging goes on, the currency power drops to 0.5A. All the time RP-DC80 controls and monitors the Charging process, the state of the battery cels, and protects from overcharging, overheating and overloading of the Battery that it is charging with RP-DC80.

To minimize the Human error in all this process, we make the RP-DC80 totally intelligent so there is no way how you can control the charging or the powering mode of the unit. The only way is to use appropriate Extended Power Cable, and according to it, the RP-DC80 will make his function.

Concerning the RED and BLUE back light on the RP-DC80 we make it simple.

In **POWER MODE** the LCD screen will be RED (indicates that power supply is activated RED = hot) with displaying the output Voltage on the LCD screen

In **BATTERY CHARGING MODE** during the charging process LCD screen will be RED (Indicates that the charging process in on (RED = Hot) displaying the charging proces and charging voltage.

When the Battery is fully charged it will become BLUE (indicates that the charged proces is finished and battery is ready to use (BLUE = Cold) The RP-DC80 automatically recognises the power, voltage and the currency on output, depending on what extension power cabel you use (depends on purpose what customer needs charging/powering)



The RP-DC80 can NOT have POWER mode and CHARGING mode in the same time, since it has only 1 OUTPUT. To use it, you need to connect the Extender power cable, and according to the Power Cable type, that mode the RP-DC80 will provide.

The USB output can be used in any time, it is independent 5V 2.1 A output.

The main selling point is that RP-DC80 is MultyFunctional Power unit that can be used on all Broadcast Electronic Products and charge Professional Batteries all in one unit.

