



Quick Start Guide

PROGRAMMABLE DC POWER SUPPLY APS-7306L/LS



Thank you for choosing AKTAKOM Power Supply.

www.tmatlantic.com

BRIEF PRODUCT INTRODUCTION

APS-7306L/LS series single-channel programmable power supplies are designed to supply wireless devices with stabilized voltage or current, while used in debugging processes, repair and laboratory research in normal climate conditions.

Power Supply APS-7306L/LS in addition to stand-alone control (control and monitoring from the front panel) can be operated remotely by computer via USB 1.1 interface and LAN, or by a mobile device (iPod, iPhone, any Android-based mobile devices) via Ethernet.

INSTRUCTIONS

- Never put any heavy objects on this device;
- Never crash or otherwise damage the device;
- Never allow the device to get damaged from a static discharge;
- Don't block the cooling fan exit;
- Don't turn on the device when it is connected to the power;
- Never disassemble it unless under the supervision of the professionals.

WARNING

The power cord must be properly grounded to avoid the electric shock.

Model **APS-7306L/LS**

Output voltage	0-30V
Output current	0-5A
Output power	150W
LED display	2
Channel	1

TECHNICAL PARAMETERS

These parameters are tested under $77 \pm 9^\circ\text{F}$ ($25 \pm 5^\circ\text{C}$) and after 2s power on.

Power effect: $CV \leq 0.01\% + 3\text{mV}$ ($AC \pm 5\%$)

Load effect: $CV \leq 0.01\% + 2\text{mV}$

Ripple and noise: $\leq 2.0\text{mVrms}$

Output accuracy: V: $0.5\% + 20\text{mV}$

I: $0.5\% + 10\text{mA}$

Read-back accuracy: V: 10mV

I: 1mA

Types of protection: over current, over voltage, over temperature

Working environment: $32 \sim 104^\circ\text{F}$ ($0 \sim 40^\circ\text{C}$)

Humidity: less than 80%

Dimensions: 4.5x7.5x9.5 in / 115x190x240 mm

Weight: 11.7 lb / 5.3 kg

Power supply: 110V by default / 220V, 60Hz

ATTENTION

- Only use the rated input voltage;
- Never operate at a high temperature and the cooling fan exit cannot be blocked;
- Please make sure that the fuse with rated parameters is used.

DIAGRAMS OF PANELS

Front Panel

1. Power: on/off button
2. Off/On: output on/off
3. MEN: memory save
4. M1-M3: memory recall
5. Voltage/Current: select between voltage or current
6. OCP: over current protection
7. CC indicator: constant current mode
8. CV indicator: constant voltage mode
9. Voltage display (volt)
10. Current display (ampere)
11. Voltage/Current: select between voltage or current for adjustment
12. Output terminals-
13. Earth (ground) terminal
14. Output terminals+

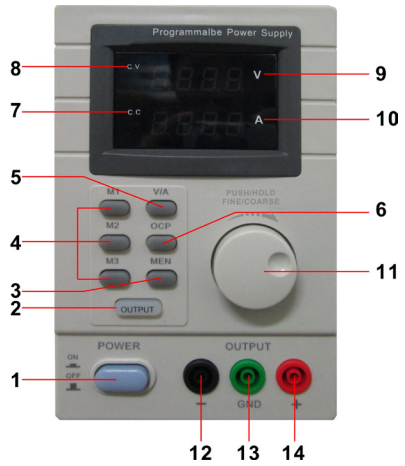


Fig. 1

Rear Panel

13. Cooling Fan
14. Power cable connection plug
15. LAN port
16. USB port
17. Sync input (APS-7306LS only)

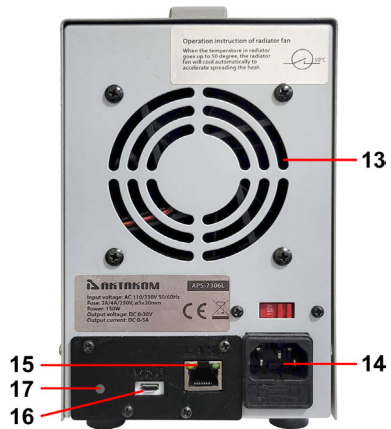


Fig. 2

The Power Supply can operate in several control modes:



MANUAL MODE.



CONTROL MODE WITH BUILT-IN MEMORY.



REMOTE CONTROL MODE OF APS-730XL/LS BY COMPUTER VIA USB INTERFACE.



REMOTE CONTROL MODE OF APS-730XL/LS BY COMPUTER VIA LAN INTERFACE.



REMOTE CONTROL MODE OF APS-730XL/LS BY COMPUTER VIA WEB INTERFACE.



REMOTE CONTROL MODE OF APS-730XL/LS BY COMPUTER VIA LXI class C (LAN extensions for Instrumentation) INTERFACE.



VOICE GUIDE

The software for this power supply is multifunctional and interactive, it features the voice guide. Your power supply will literally tell you what current or voltage it is outputting! The voice guide announces all voltage current changes and power supply output status. This feature is very convenient because it allows you to work in the laboratory without paying attention to the power supply indicators. The "Voice" button selects a Windows voice guide that will announce application events to you. Select the "No voice" option to disable the voice guide. Voice guidance works in all languages installed in the operating system on your PC.



Aktakom Power Manager Max software

Aktakom Power Manager Max is application software to control APS-7306L/LS from a PC using a USB cable or a local area network (LAN). This software provides control of output voltage and current in arbitrary (manual) mode as well as external trigger function (synchronization). With the voice guide feature your power supply will literally tell you what current or voltage it is outputting!

Install **Aktakom Power Manager Max** software to your PC.

You can download the software from www.tmatlantic.com.

To download the Aktakom Power Manager Max software, go to www.tmatlantic.com, log in with your username and password. If you have not previously registered on www.tmatlantic.com, follow the link "Registration" and specify all the necessary data. Then select your device from the list and enter its serial number.



ATTENTION! Serial number must be entered exactly as it appears on the device, with all the letters, numbers and other characters. Next, you need to register your AKTAKOM product if you have not done so already, and accept the License Agreement, then you will be provided with links to the files available for download.



Aktakom Power Manager Max Pro Software



Optional, available for purchase from www.tmatlantic.com.

Aktakom Power Manager Max Pro is application software to control APS-7306L/LS from a PC using an USB cable or a local area network (LAN). This software offers some advanced features, such as control templates, command lists, customizable user interface, event log, voice guide.



Software Comparison Table

Aktakom Power Manager Max vs Aktakom Power Manager Max Pro

Software Function	 Max Pro	 Max
Connection, communication	USB, LAN	USB, LAN
Load voltage indication	Yes	Yes
Load current indication	Yes	Yes
Load power indication	Yes	No
Indication of operation under load	Yes	No
Operating mode indication	VC/CC	VC/CC
Digital input of voltage and current values	Yes	Yes
Regulator for entering voltage and current values	Horizontal - Sliding	Horizontal - Sliding
Output on/off button	Yes	Yes
Preset fixed voltage values	Yes	Yes
Preset fixed current values	Yes	Yes
Voice guide	Yes (ON/OFF), Eng.	Yes (ON/OFF), Eng.
Activate remote control mode	Any first command sent from a PC to a power supply using USB or LAN	Any first command sent from a PC to a power supply using USB or LAN
Switch to manual control mode	"Res" command sent from a software or turn the power supply off and on	"Res" command sent from a software or turn the power supply off and on
Displaying the history of load voltage and current values	Yes	No
Work according to a given schedule of current and voltage values	Yes	No
Saving and importing current and voltage schedules	Yes	No
Current time clock	On/Off	On/Off
Button names	On/Off	On/Off

Help	Yes	Yes
Language support	EN ES	EN ES
News	On/Off	On/Off

PRODUCT REGISTRATION

Please register on <https://www.tmatlantic.com> before the software installation and the device configuration for remote control mode operation.



Fig. 3
New user registration

 A screenshot of the 'Register' form on the website. The form includes the following fields: 'Login (min. 3 characters):*', 'E-mail:*', 'Password:*', 'Password confirmation:*', 'Name:*', 'Last Name:*', 'Phone:', and 'Spam bot protection (CAPTCHA)'. The CAPTCHA section has a checkbox labeled 'I'm not a robot' and a CAPTCHA image. A 'Registration' button is located at the bottom of the form.

Fig. 4

And then download the program installer following the recommendations on the web site www.tmatlantic.com.

For detailed information on the operating modes of the instrument, please refer to the User's Manual.

Visit www.tmatlantic.com for more information.

SERVICE

Updates and technical support

The software for power supplies is constantly being improved and supplemented in accordance with the requirements of the operating system. To update the software and receive AKTAKOM proprietary technical support, you can visit our website on the Internet: www.tmatlantic.com.

You can also send your questions, wishes and suggestions by: marketing@tmatlantic.com.