

Users guide for SwitchPlug232USB



- **Grounded outlet for 10A / 230V.**
- **Controlled via RS232 or USB.**
- **Very easy to use, 10 minutes to learn!**
- **Controls lamps, computers, alarm, heaters, fans, conveyor bands...**

SwitchPlug232USB is mounted in a common wall outlet and the output can be switched on/off from your computer..

SwitchPlug232USB is controlled via or USB. You can only use one connector at a time (do not try to connect both, you will break the connectors).

Control is done with some simple ASCII text commands, ON and OFF, that switches the outlet on and off.

There are some more commands for asking status and to set options.

When controlling via RS232 more than one box can be controlled from one single COM-port.

Then each box is given an individual address digit and all commands to the box must start with this digit. When using this option connector pin 2 is not used – transmission from the box.

The addressing function works in the same way with USB but it is not really useful with USB.

Control commands.

All commands are sent as common ASCII text:

Switch the output on:	"ON"	The reply is "OK"
Switch the output off:	"OFF"	The reply is "OK"
Ask state of output:	"??"	The reply is "ON" or "OFF"
Ask current configuration:	"?S"	The reply is a list of the settings.
Help with commands:	"?H"	The reply is a list of the commands.
Configure baud rate:	"#config#baudX"	The reply is "OK" Where X are: "0" for 1200 baud "1" for 9600 baud "2" for 19200 baud
Configure box address:	"#config#adreY"	The reply is "OK" Where Y is chosen address "0"..."9" Address 0 means no address needed.
Configure start position:	"#config#startZ"	The reply is "OK" Where Z is: "0" The output is off at power on. "1" The output is on at power on. "2" The output have same position as before.
Configure if "OK" reply shall be sent on commands ON and OFF:	"#config#replyW"	The reply is "OK" Where W is "0" to not send reply and is "1" to send reply.

To make the SwitchPlug232USB compatible with the old SwitchPlug232 send these commands:

Baurate to 1200 baud:	"#config#baud0"
Box address to 0:	"#config#adre0"
No "OK" replies:	"#config#reply0"

Connection to RS232.

Connection is made with a 9-pole D-sub connector.

SwitchPlug232USB have sockets in the connector and the mating cable shall have pins. Ground is on pin 5, signal in on pin 3 and signal out on pin2.

It uses 8 data bits, 1 stop bit and no parity.

Connection to USB.

Connection is made with a USB micro B connector.

Note, this connector must not be connected at the same time as the RS232 connector, if you try it will break!

Installation on computer when using USB.

On Linux and Macintosh no special installation is needed, the operation systems handles this automatically.

Microsoft Windows requires an installation where the file SWP232USB.inf , from the CD, shall be used.

This is an information file with only the name of the manufacturer etc.

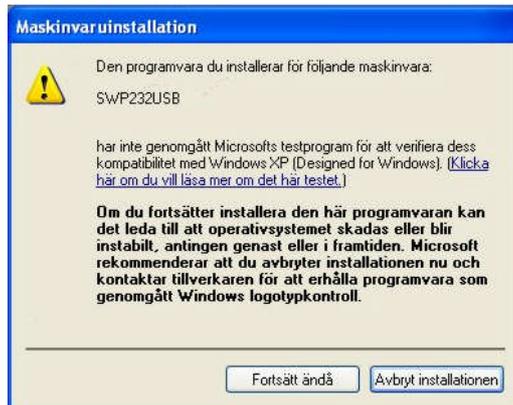
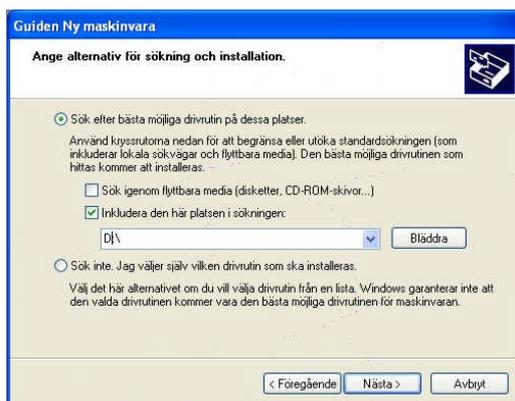
The only driver used is the one supplied by Microsoft that is already in your PC.

1) Connect SwitchPlug232USB to the computer



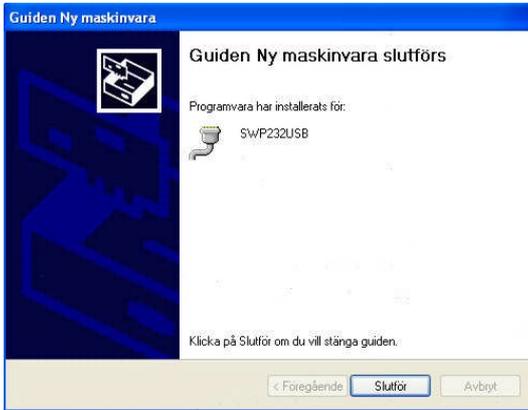
2) Select "No, not this time"

3) Select "Install from a list..."

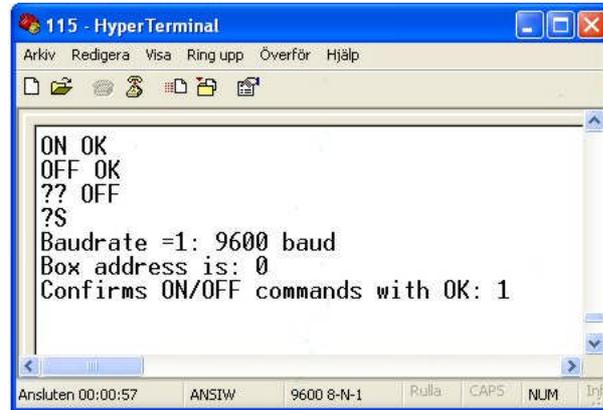


4) Put the CD in the drive and type. in the CD-drives letter, for example D:

5) Select "Continue anyway" No new software will be installed, only Windows own.



6) Finish!
SwitchPlug232USB has been given a COM-port number, for example COM8, and may now be controlled.



Test it from, for example, Windows Hyperterminal.

Compatible with: USB: With Linux, Macintosh, MS Windows XP/VISTA, but not 64-bit VISTA.
RS232: For all computers with RS232-connection.

Defaults: 9600baud, address 0, "OK"-reply sent.

Dimensions: 123 x 55 x65mm

Weight: 300g

Connectors: Schuko for 230V in/out.
USB micro B.
D-sub, 9-pole with sockets.



UTRONIX Elektronikutveckling AB
Landeryd Tallhöjden, 585 93 Linköping
www.utronix.se

Telephone: +46 13 – 212 750
Telefax: +46 13 212 725
e-mail: info@utronix.se