

PROCONTROL® TO IP Stecker® Plug-in socket from the Internet

User and Installation Manual

PROCON

IP Stecker V12

August 2018

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IP Stecker

Welcome

Thank you for choosing a Procontrol product.

Procontrol Electronics Ltd has grown to an important national company of developing and manufacturing software, hardware, electronic devices, access control, time-attendance systems, queue control, client caller and access protection systems since 1981.

Thousands of satisfied customers have experienced the security ensured by our long time period planning, reliable work and the world trademarks standing behind us. Our qualified staff does its best to satisfy your requirements in the electrical development.

Safety Precautions

Please read this guide before installing and using the device. Please use the device properly and as described in the following manual.

The authors are NOT liable for any claim, damages or other liability out of:

using not the proper way

incorrect installation

connecting to inappropriate electronic network

incorrect maintenance

not approved modifications, interventions using non-original elements

Do not attempt to disassemble or modify any part of this product.

Do not store at temperatures outside the specified range and do not operate in an environment outside the specified range as it will reduce the life of the product or cause product malfunction.

Maximum number of connectable devices using switching power supply is 2/socket!

Never allow water or any other foreign matter to get into the unit. The unit contains sensitive electronic parts, so water and foreign matter not only can cause malfunction, they also create the risk of overheating due to short circuiting and insulation failure, fire and smoke, combustion, and electric shock. Ne helyezze a terméket hőforrás közelébe, illetve ne tegye ki az eszközt közvetlen láng vagy hő hatásának, mivel az eszköz olyankor felrobbanhat.

Only use the product for it's intended purpose!

Keep the device in operation only from electric sources defined in this user manual. Do not open the device, there are no user serviceable parts inside!

Attention! Connect the product exclusively to a grounded power outlet with relay contact protection network.

To avoid fire and risk of electronic shock:

Beware that your children do not throw or push objects through the slots of the device.

Do not mount accessories or attachments on the device that are not designed for this device. If you do not use the device for longer time or in case of lightning, you shall unplug the power cord.

Risks at Installation

Do not store anything on the power cord. Do not place the device, where the power cord can be damaged. Do not use the device under wet circumstances or in humid premises.

Cleaning

Switch off the device before cleaning. Use slightly wet mop. Excessive humidity may cause electric shock

General rights and responsibility

Manufacturing rights of this device are reserved by Procontrol Electronics Ltd. Modifying or copying of this device or parts is prohibited!

Procontrol Ltd. is not liable for using of this device and the consequences of the application.

Safety

Introduction

IP Stecker is an Ethernet plug-in bar, which can control 230V sockets on an Ethernet network.

Types:

• IPStecker 4 – indoor use



IPStecker 4

IP Stecker 3 Industrial – IP54 casing



IP Stecker 3 Industrial

Plans for Product Enhancement

From the current R9D series, the above type is available with Ethernet and USB connectivity.

As advanced option you will be able to connect external thermometer sensors (TS-05 or THS-05) through the USB (I2C) port, for applications e.g. emergency stop at a certain temperature, i.e. the user sets a threshold value, when exceeded, the device stops operating. This "Smart Metering" will be available, when the manufacturing of next series has been launched, which is at present in the process of development.

A built in current and voltage meter function is planned, this "Smart Metering" will be available similarly, when the manufacturing of next series has been launched, which is at present in the process of development.

In case of any requested modification and enhancement please do not hesitate to contact us, any individual request is highly appreciated. Please contact our colleagues for details and prices!

| Features | |
|--------------------------------------|--|
| Туре | IPStecker 4 |
| Picture | |
| Revision | 0802-03-R9C |
| Part number | 141106 |
| Number of remotable switched sockets | 4 sockets |
| Ethernet interface | 10/100BaseT |
| Remote abilities | o Web /internet browser o Telnet o Command prompt remote control, Perl script, PHP script o PCSW protokoll |
| Compatibility | Can be used in all operation system, with all browsers: Microsoft Internet Explorer, Opera, Mozilla Firefox, Netscape, Windows 98SE / 2000 / XP / XP SP1-SP2, Server 2003 / Vista / Linux / Me / Mac OS |
| Language | english, hungarian |
| Mounting | 19 "rack mountable with included metal fixing brackets |
| Connectors | RJ45, USB B |
| Socket standard | F (Hungary) |
| Power supply | AC 230V, 50Hz |
| Power consumption | max: 3 VA |
| Capacity | max: 230V, Σ16A total, max: 230V 8A / socket at continuous load. Maximum number of devices using switching power supply is 2/socket. |
| Needed cable type | CAT5, CAT6 |
| Support / feedback on hardware | - 1 hidden reset button - 3+2 pcs status LED - Ethernet status leds for , a LINK signal and 10/100Mbit mode - Built-in clock, and memory protection batteries |
| Casing | Indoor durable case, compact, distinguished |
| Dimensions | Without fixing brackets: 430x60x45mm With fixing brackets: 480x60x45mm |
| Weight | Net 1000g, gross 1140g |
| Operating temperature | -25 - +50 °C |
| Storage temperature | -40 - +60 °C |
| Operating relative humidity | max. 80% |
| Storage relative humidity | max. 90% |
| Standards | Ethernet IEE802 |

Types

Revision

| | IP Stecker 3 Industrial |
|---------------|---|
| | |
| | 0802-03-R9D |
| | 141010 |
| tched sockets | 3 sockets |
| | 10/100BaseT |
| | Web /internet browser Telnet Command prompt remote control, Perl script, PHP script PCSW* protocol |
| | Can be used in all operation system, with all browsers: Microsoft Internet Explorer, Opera, Mozilla Firefox, Netscape, Windows 98SE / 2000 / XP / XP SP1-SP2, Server 2003 / Vista / Linux / Me / Mac OS etc. |
| | english, hungarian |
| | |

Part number Number of remotable swi Ethernet interface **Remote abilities** Compatibility

| | / Mac OS etc. |
|---|---|
| Language | english, hungarian |
| Szerelhetőség | Wall mounted |
| Connectors | Swinging RJ45, Power 3x2.5 MT cabel |
| Socket standard | F (Hungary) (Swinging, stripped, with end ferrules) |
| Power supply: | AC 110230V, 50Hz |
| Power consumption: | max: 3 VA |
| Capacity: | max: 230V, Σ16A total, max: 230V 8A / socket at continuous load. Maximum number of devices using switching power supply is 2/socket. |
| Supporting on hardware : | - 1 hidden reset button - 3 operating status LEDs - Built-in clock and memory protection |
| Housing | IP55 |
| Sizes: | Net, without mounting ears: 430x60x45mm |
| Weight | Net 1995g |
| Operating temperature: | -25 - +50 °C |
| Storage temperature: | -40 - +60 °C |
| Operating relative humidity: | max. 80% |
| Storage relative humidity: | max. 90% |
| Standards | Ethernet IEE802 |
| USB (I2C) - prepared for later developments | x |
| Smart Metering: current and voltage measurement functions | under development |

* A Special communication protocol developed by Procontrol, which allows the implementation and communication of IPStecker with other Procontrol manufactured products and systems.

Attention! Maximum number of devices using switching power supply is 2/socket.

Factory reset

The device has a hidden reset button to reset the factory settings.

1. Reset factory settings for IPStecker4 type:

Located below the USB socket there is a tiny hole.



To reset to factory settings, press and hold the reset button for 5 seconds. The restarting in indicated with fast blinking of the red status led. If restart finished, the blinking became again the normal mode. The unit will restart with the factory settings.

2. Reset factory settings for IPStecker Industial: The following figure shows the position of the screws with an arrow:



Located next to the USB socket hidden behind a tiny hole.



Press and hold the button for at least 5 seconds. If this is done, you will be running the original factory settings after restarting the device.



To reset to factory settings, press and hold the reset button for 5 seconds. After restarting the unit will start with the factory settings.

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What kind of Ethernet network we have?

(Estimation of Ethernet network topology)

Connect the device to a free end point (or directly to your PC) of an established Ethernet network as following.

Ethernet on PC network is not everywhere accessible, therefore we suggest two solutions for testing your device:



1. In Case of Established Computer Network

Connect a free end point of the PC network with a straight patch cable (Straight-Trough) to the device. We recommend this solution, if possible. Test the device with a patch cable (Straight-Trough, attached to the customer package) on an Ethernet socket of a network-connected PC. Connect the Ethernet cable to the SWITCH or HUB of your PC network (Ethernet).



2. Directly Wired Connection between Terminal and PC

If a network SWITCH is not available, but you want to connect it directly to the Ethernet socket of your PC, you need a special Cross-Over wire. Connect the device to your PC's built in connector through the Cross-Over patch cable.



PROCONTROL

Ethernet data connection establishment

Product setup

Connect the socket strip to a 230V mains socket outlet. Use a grounded outlet only. Connect the Ethernet network cable, then turn on the power switch of the device (I O labeled rocker switch). After about 10 seconds the device is available on the computer network with default connection settings.

IP address: 192.168.0.250

Subnet Mask: 255.255.255.0

Web port: 80

You can now connect the remotely switched 230V powered devices as you wish.

The product is supplied with the relays switched on, so after switching on the first time, all four sockets will be powered with 1-2-3-4 seconds delay.

IPStecker remote control function

The remote control modes of the IPStecker were developed according to different customer needs and requests. Controlling the power supply of the connected devices is available through the following channels:

• Web browser port 80 / internet browser (IPStecker Online)

Most of the user's choice, the simplest plausible method for remote control via an Internet Browser with graphic interface. Most parameters of the unit are accessible through this default interface. The following browsers were tested:

- a. Internet Explorer 5,6,7,8
- b. Mozilla
- c. Opera
- Telnet port 23 / command line
 - a. Microsoft Telnet
 - b. Debian linux telnet
- PCSW protocol, port 1001

Secret internal protocol of Procontrol Ltd., used to edit system parameters and for firmware upgrades. Only for system administration purposes.

 Through web port 80 instead of web browser, even scheduled, or command line remote control, Perl script, PHP script. (sample script is available on the product's website)

Power supply control of the connected devices is even possible scheduled through web port 80 (instead of web browser), or controlled by program code. Tested under the following environment:

 Microsoft Windows 2000, Windows XP, Windows Vista, Windows 2003 Server, Windows 2008 Server, Windows 7

Testing the IPStecker connection

- Ping test: enter following command into the command line: **PING 192.168.0.250**
- If you receive a reply, you can try with your browser according to description below. If you do not receive any reply, check as follows.

FIREWALL DIFFICULTIES: A well operating firewall may prevent the program from running correctly

1. Web browser / IP Stecker Online

Power of the IPStecker's sockets can be individually switched on and off through a web browser. Access to the control page can be password protected.

FIREWALL DIFFICULTIES: A well operating firewall may prevent the program from running correctly.

Enter the default IP address into the browser: **192.168.0.250**

| C Pro | control d | evice log | ;in - Windo | ws Interne | et Explorer | |
|-------|---------------|-------------|----------------|------------|--------------|--|
| G |) - 🧧 |) http://19 | 2.168.0.236/ | | | |
| Fájl | Szerkesztés | Nézet | Kedvencek | Eszközök | Súgó | |
| 🔶 Kea | dvencek | 🚖 🌄 Ja | avasolt helyek | 🔹 🙋 Ingy | enes Hotmail | |
| 6 Pro | ocontrol devi | ice login | | | | |
| | | | | | | |



If the user interface is not displayed, please check:

- Whether you established all connections properly?
- Whether at least one of the IPStecker's status LEDs is lit?
- Whether your PC's IP address is in the same network: 192.168.0.xxx?
- After displaying the user interface you can enter a new IP address into the IP field of connection preferences.

A belépéshez írja be a megfelelő jelszót:



Sections of the web interface:

- 1. Plugs Remote access of powers sockets
- The first section of the IPStecker's user interface displays the current status of power socket strip. A powered plug is marked green (ON), an unpowered plug is marked red (OFF).

With a single click on the buttons in the On/Off column, power can be switched ON or OFF in each plug (R1, R2, R3).

Restarting of each plug is also possible, they remain unpowered till the **time delay** set in section Delays. After the time period expires, the plug automatically switches on, and the web page is being refreshed. Each plug can be renamed by the user for easier identification in the User section of the web interface. The names given there are displayed in the User name column.

| 168.0.209/st_ctrl.cgi | | | | ☆ ▼ C 3 | r Google | <u> </u> |
|--------------------------|----------------|--------------|---|---------|---------------------|----------|
| IPstecker 230-16 v4.1 EN | × A Procontrol | × 💠 Proco | introl Electronics Ltd. × + | | | |
| Pro | ocontrol IP | Stecker v4.1 | | | | |
| | Build 00167 | , | | | /IP Stecker | |
| | | | | | 2008.01.01 01:06.42 | |
| | | | | | | |
| :: Plu | gs remote cont | trol | | | | |
| | Dive | | | 0-104 | Destruct | |
| | 1. plug | Dugali 1 | Off | ON/OFF | Restart | |
| | 2 plug | Dugoli 2 | 0# | ONLOFE | Postart | |
| | z. piug | Dugaj z | UII III | ONYOFF | Mestan | |
| | 3. plug | Dugal) 3 | 0 11 | UN/UFF | Restart | |
| | | | | | | |
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ATTENTION! ALWAYS USE THE SAVE BUTTON AFTER SETTINGS MODIFICATION AND DATA ENTRY!

2. Events – User operations log

The device logs each user operation and stores the last 128 events

| Serial number Time Procentrol Electronics Ltd. + Procontrol IP Stecker v4.1 J/IP Stecker 2008.01.01 01:05.59 :: Event log Serial number 100:01:07 1824 2008.01.01 01:05.59 :: Event log 1824 2008.01.01 00:01:47 1822 2008.01.01 00:01:47 1822 2008.01.01 00:01:39 1821 2008.01.01 00:01:39 1821 2008.01.01 00:00:00 1820 2008.01.01 00:00:00 1819 2008.01.01 00:00:00 1819 2008.01.01 00:00:00 1817 2008.01.01 00:00:00 1815 2008.01.01 00:00:00 1815 2008.01.01 00:00:00 |
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| 1821 2008.01.01.00:10:36 0.0.0.0 Plug.1.04 (0) 1820 2008.01.01.00:00:00 0.0.0.0 Plug 3 tarting state OFF (7) 1819 2008.01.01.00:00:00 0.0.0.0 Plug 3 tarting state OFF (7) 1819 2008.01.01.00:00:00 0.0.0.0 Plug 2 starting state OFF (7) 1818 2008.01.01.00:00:00 0.0.0.0 Plug 1 starting state OFF (3) 1817 2008.01.01.00:00:00 0.0.0.0 Device started (1) 1816 2008.01.01.00:00:00 0.0.0.0 Least still allve sign (19) 1815 2008.01.01.00:00:00 0.0.0.0 Plug 3 tarting state OFF (7) |
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| 1619 2008.01.01.00:00:00 0.0.0.0 Plug 2 starting state OFF (5) 1818 2008.01.01.00:00:00 0.0.0.0 Plug 1 starting state OFF (5) 1817 2008.01.01.00:00:00 0.0.0.0 Device started (1) 1816 2008.01.01.01:20:17 0.0.0.0 Device started (1) 1815 2008.01.01.00:00:00 0.0.0.0 Plug 1 starting state OFF (7) |
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| 1815 2008.01.01.00:00:00 0.0.0.0 Plug 3 starting state OFF (7) |
| |
| 1814 2008.01.01.00:00:00 0.0.0.0 Plug 2 starting state OFF (5) |
| 1813 2008.01.01.00:00:00 0.0.0.0 Plug 1 starting state OFF (3) |
| 1812 2008.01.01.00:00:00 0.0.0.0 Device started (1) |
| 1811 2008.01.01.01:20:17 0. 0. 0. 0 Last still alive sign (19) |
| 1810 2008.01.01.00:01:24 0.0.0.0 Plug 1 OFF (9) |
| 1809 2008.01.01.00:01:23 0.0.0.0 Plug 1 ON (8) |
| 1808 2008.01.01.00:01:22 0. 0. 0. 0 Plug 1 OFF (9) |
| 1807 2008.01.01.00:01:21 0.0.0 Plug 1 ON (8) |
| 1806 2008.01.01. 00:01:20 0. 0. 0 Plug 1 OFF (9) |
| 1805 2008.01.01.00:01:16 0.0.0.0 Plug 1 ON (8) |
| < |

3. User – User settings

(Operation of the IPStecker is not affected by the settings in this section)

Each plug can be renamed (according to the connected devices e.g.) by the user for easier identification in this section. The names given here are displayed in the User name column of the first section. A maximum 10 characters long name can be given to each plug with contents of the English alphabet.

| .168.0.209/st_user.cgi | | | | ☆ ▼ C 3 ~ Google | ۶ 🕅 ۲ |
|--------------------------|---------------------------------|------------------------------------|-------------------------------|------------------|----------------|
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| Pro | control IP Stecker | V4.1 | | | |
| | Build 00167 | | | 2008.01.01 01:0 | ескег 05.04 |
| | | | | | |
| :: Use | r settings (It doesn't cor | ncern the operation of the device, | supports the users' device is | lentification) | |
| | Darameter | New settings | Current state | Default cetting | - |
| | Device' name | New settings | Stecker | Procontrol IP | |
| | 1. Plug | | Dugalj 1 | Plug 1 | |
| | 2. Plug | | Dugalj 2 | Plug 2 | |
| | 3. Plug | | Dugali 3 | Plug 3 | |
| | | <u></u> | | | |
| | | Save se | ttings | | |
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4. Connection – Connection settings

Parameters of the connection with the IPStecker can be changed here: IP address, default gateway, subnet mask, TCP/IP port.

| Firefox * | | | | 24 | |
|----------------------------------|-----------------------|---------------------------------------|-----------------------------|--------------------------------|----------------------------|
| 🗲 🕙 192.168.0.209/conn.cgi | | | | ☆ ▼ C 🔚 - | ዖ 🏠 🖸 י |
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| Plugs | Procontrol IP Stecker | /4.1 | | | |
| Events | Build 00167 | | | /IP Steck 2008.01.01 00:47. | ker 48 |
| Connection | | | | | |
| Security :: 0 | Connection settings | | | | |
| Date, time | Parameter | New settings | Current state | Default setting | |
| User | DHCP | O On Off | Off | On | |
| Delays | IP address | · · · · · · · · · · · · · · · · · · · | 192.168.000.209 | 192.168.0.250 | |
| Save state | Default gateway | | 192.168.000.001 | 192.168.0.1 | |
| Ping sett. | Subnet mask | | 255.255.255.000 | 255.255.255.0 | |
| System | | Save se | ttings | | |
| Measurem. | | | | | |
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5. Security – Security settings

A password can be set here to access the IPStecker's web interface. The password can be changed any time inside the control page. If you set and save a password here, the device asks for it the next time you want to log in. The default password is "admin". (Recommended to change it after the first login)

| 3 192.168.0.209/security.cgi | | | ☆ ▼ C Google | ۶ 🏠 🥄 |
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| Procontrol IP Ste | cker v4.1 | | | |
| ts Build 00167 | | | /IP St | ecker |
| ection | | | 2008.01.01 00: | 51.01 |
| ty Converting on this and | | | | _ |
| me | | | | |
| Parameter | New settings | Current state | Default setting | |
| 5 | | admin | aunn | |
| state | Save se | ettings | | |
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The Current state column gives information if a password is required to enter the web interface. If you do not wish to use a password, just leave the New settings field empty and click the Save setting button. The next login can be done without using a password. To restore password controlled access, it is only needed to type in a new password and click the Save setting button.

6. Date time – Date and time settings

The actual date and time can be set in this section. Certain types of IPStecker can automatically synchronize date and time data from an NTP server.

| efox * | | | | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------------|---------|---------------------|-------|---|
| 🕘 192.168.0.209/time | ie.cgi | | | ☆ ⊽ C 🔮 | ∗ Google | ۶ 🏠 ר | |
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| 5 | Procontrol TP Steck | er v4 1 | | | | | |
| | Build 00167 | | | | /ID Stecker | | |
| nts | Baild OOTO? | | | | 2008.01.01 01:01.40 | | |
| nection | | | | | | | |
| urity | :: System time settings | | | | | | |
| time | | | | | | | |
| | | | Current system time | | | | |
| | | | 2008.01.01 01:01.40 | | | | |
| ys | Year | Month | Day | Hour | Minute | | |
| state | 2011 | January 👻 | 01 🕶 | 01 | 01 | | |
| sett. | | | Save settings | | | | |
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7. Delays – Plug power on delay settings

A power on time delay can be set to each plug, measured in milliseconds. Using this option a heavy startup load is avoidable in case of devices with high power consumption starting simultaneously.

| Firefox * | | | | | | |
|-------------------------|-----------------------------|-------------|--|------------------|------------------|----------------|
| 🗲 🕙 192.168.0.209/st | rdelay.cgi | | | ☆ ▼ | C' 🛃 - Google | ۶ 🎓 🖸 |
| Procontrol IPstecker 23 | 0-16 v4.1 EN × A Procontrol | × 💠 P | rocontrol Electronics Ltd. × + | | | |
| Plugs | Procontrol IP S | tecker v4.1 | | | | |
| Europh | Build 00167 | | | | /IP Stee | ker |
| Events | | | | | 2008.01.01 01:08 | .37 |
| Connection | | | | | | |
| Security | :: Relay' starting delay | / settings | | | | |
| Date, time | Daranakar | Upon opena | Neur cettle ce | Our moint state | Default eatling | |
| User | 1. Plug | Dugali 1 | New settings | 1000 | 0 | |
| Delays | 2 Blue | Dugali 2 | | 2000 | 0 | |
| Saug state | 2. Plug | Dugal) 2 | | 2000 | • | |
| save state | 3. Plug | Dugaij 3 | | 3000 | U | |
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| System | | | ar ar ar ar | 9 NG - 191 | | |
| Measurem. | | Ø | 2011. Procontrol Electronics Ltd.@™ Al | rights reserved. | | |
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8. Save settings – Saving settings of plugs

In this section the states of each plug can be set after a device restart or switching off. In the New settings column "Unchanged" leaves the plug in the current state, the "On" or "Off" changes the mode currently set. Currently stored state is displayed in the Current state column. During a power failure, or a blackout the IP Stecker's non-volatile memory "remembers" the latest switching states and settings and re-establishes them when the power supply is restored. So the IP Stecker operates unchanged until you give a new command. This function can be turned off.

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| | aving the last plu | a state | | | | _ |
| | | 5 | | 1 | | - |
| | Parameter | User name | New settings | Current state | Default setting | |
| | 2. Plug | Dugali 2 | Unchanged O Off O On | On | off | |
| | 3. Plug | Dugalj 3 | . ● Unchanged . ○ Off . ○ On | On | Off | |
| | | | Save settings | | | |
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9. Ping settings – Automatic plug restart (automatic restart of crashed systems e.g., RESET)

With this function any number of operations checking signal can be sent out at any time to devices connected to the network. A device crash or a network failure is easily detectable with this method, and the malfunctioning device connected to the specific plug can be restarted.

The pinger pings a given IP address at specified time intervals, and if there is no answer after 5 times, the appropriate plug will be switched off and after 5 seconds on again.

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|--------------------|--------------------------------------|-----------------------------------|---------------|-----------------|------|
| Procon | trol IP Stecker v4.1 | | | | |
| Bu | ild 00167 | | | /IP Ste | cker |
| | | | | 2008.01.01 01:2 | 7.01 |
| ·· Ding setti | nns | | | | _ |
| Thing Sector | | | | | |
| | Ping parameters | 1. Ping task | 2. Ping task | 3. Ping task | |
| | User name | Dugalj 1 | Dugalj 2 | Dugalj 3 | |
| | Ping enable | O Yes 🔍 No | 🔿 Yes 🖲 No | O Yes No | |
| | Time restriction enable | 🔘 Yes 🖲 No | 🔿 Yes 🖲 No | 🔿 Yes 🖲 No | |
| | Start of time restriction (hour:min) | 00 : 00 | 00 : 00 | 00 : 00 | |
| | End of time restriction (hour:min) | 00 : 00 | 00 : 00 | 00 : 00 | |
| | IP or DNS | | | | |
| | IP from DNS server | | | | |
| | Last answer time | (0) | (0) | (0) | |
| | Time to next ping (sec) | 00 | 00 | 00 | |
| | Maximum error count | 00 | 00 | 00 | |
| | 1. Plug restart | 🔿 Yes 🖲 No | 🔿 Yes 🖲 No | 🔿 Yes 🖲 No | |
| | 2. Plug restart | 🔿 Yes 🖲 No | 🔿 Yes 🖲 No | 🔿 Yes 🖲 No | |
| | 3. Plug restart | 🔿 Yes 🖲 No | 🔿 Yes 🖲 No | 🔿 Yes 🖲 No | |
| | 4. Plug restart | Save settings | Save settings | Save settings | |
| | | | | | |

10. System – Language settings and device restart/logout

Language of the web interface can be set to Hungarian or English.

| Firefox * | | | | | | | |
|-----------------------------|------------------------|---------------------------------------|---------------------------------|------------------|---------------|---------------------------|--|
| 🗲 🕙 192.168.0.209/langua | age.cgi | | | 🏠 ⊽ C 🛃 - Google | | ۶ 🏠 🖸 | |
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| Plugs | Procontrol IP S | tecker v4.1 | | | | | |
| Events | Build 00167 | | | 0000.0 | /IP Stecker | | |
| Connection | | | | 2008.0. | 1.01 01:38.28 | | |
| connection | | | | | | | |
| Security :: | System | | | | | | |
| Date, time | | | | | | | |
| | | Chose language | | Maqyar 🝷 | | | |
| Jser | | | | | | | |
| Delays | | | Save settings | | | | |
| ave state | | | | | | | |
| | | Restart device | | Logout | | | |
| ing sett. | | | | | | | |
| System | | © 2011. Procontrol Ele | ctronics Ltd.®™ All rights rese | rved. | | | |
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ATTENTION! ALWAYS USE THE SAVE BUTTON AFTER SETTINGS MODIFICATION AND DATA ENTRY!!

PROCONTROL

2. Telnet

Some functions of the IPStecker is available via Telnet. If a password was set to access the device, it will be also required to establish a Telnet connection. To access the IPStecker this way, create a command prompt: type in Start menu / Run window "cmd"; in case of Windows 98: command; and enter OK. Into the appearing textbox type in "telnet (IP address of the device)"

| 🗪 Tel | net 192.168.0.247 | | - 🗆 🗙 | |
|--|--|--|----------|--|
| l I Ty | IPStecker telno pe '?' and retu | et shell en for help | ^ | |
| IPStee | :ker 802-03> swit | :ch | | |
| : | Switches | 1 | | |
| Availa lon 2off 3on 3off getsta ? x | ble commands: - switch con - | 1 1 on 1 1 off 1 2 on 1 2 off 1 3 on 1 3 off states mes | | |
| IPStec | Rep 802-03 / SW | Itches > | | |
| | | | • | |

Accessing the plugs, modifying connection settings and changing password are also available via Telnet. The password set this way is the same to reach the web interface.

3. Command line remote control through user developed program (SDK)

Remote control of the IPstecker through command prompt is also possible by downloading a utility software (Perlscript), which is available free of charge from www.activeperl.com.

Perl script usage:

1. Install Perl interpreter to the computer. (interpreter / motor / engine)

2. Start the command line script: stecker.pl [IP address][settings]

The script can be accessed from a webpage or from a unique program

The following parameters can be specified for the script:

Pass: You can enter a login password plg<x>: You can switch off and on the hook. Value Range: 0.1

Eg: stecker.pl 192.168.2.25 Pass=admin plg1=1 plg2=0 plg3=1 (this sample command switches on plug 1 and 3, and switches off plug 2.)

4. Command line control through USB connection

IPStecker is accessible not exclusively through Ethernet but it is connectible to your PC also through USB A-B wire and enables you to switch the sockets on a command line interface.

When you attach the device to your computer the first time, a dialogue box appear which guides you through the steps of driver setup. Once you click on "Not now" option you are enabled to give the path of the driver.

(The window below appears in the default language of Setup Wizard on your PC.)



Select the option "No search. I select the setup driver":

| dja meg | a keresési és a telepítési beállításokat. |
|---------------------|--|
| | galkalmasabb illesztőprogram keresése az alábbi helyeken. |
| A je ken az i | lölőnégyzetek segítségével korlátozhatja vagy szélesítheti ki az alapértelmezett ssést, amely helyi elérési utakat és a cserélhető adathordozókat tartalmaz. A rendsz tt találhatók közül a legalkalmasabb szoftvert fogja telepíteni. |
| | Keresés <u>c</u> serélhető adathordozókon (hajlékonylemez, CD-ROM) |
| | Szerepeljen a keresésben az alábbi <u>h</u> ely: |
| | D:\LISS-211Driver060923\USS-211 Driver(PL-2303 🗸 Taļlózás |
| <u>⊚ N</u> e | legyen keresés. Magam választom ki a telepítendő illesztőprogramot. |
| Ezt Wir lega | a lehetőséget akkor válassza, ha listából akarja kiválasztani az illesztőprogramot. A idows nem garanlálja, hogy a kiválasztott illesztőprogram a hardverhez a alkalmasabb lesz. |
| | |

In the next window click on "My disc" and browse "usbser.info" file:

| Válassza ki a hardverhez tel | lepítendő eszközillesztőt. |
|---|--|
| Válassza ki a hardver gyári Ha van az illesztőprogramh | tóját és a megfelelő modellt, majd kattintson a Tovább gombra. ioz telepítőlemeze, akkor kattintson a Saját lemez gombra. sgjelenítése |
| | |
| Modell | |
| Modell Procontrol Virtual Serial Port | |

Select the option of alternative setup path (advanced) and click "Continue".

Click "Continue" and Windows executes the driver setup. The device is now available in your system as a serial port device.

| Várjon, amíg a varázsló tele | epíti a szoftvert | | EV. |
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| Procontrol Virtual 9 | ≩erial Port | | |
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| | | | |

Command line interface:

You can control the device by a simple line command user interface. Attach it with a USB wire, from your user kit, to your PC and start "Terminal" software, from your user kit.

- COM Port: select the COM Portot, which you connected with your device
- Baudrate: 115200
- Data bits: 8
- Parity: none
- Stop bits: 1
- Handshaking: none
- Tick "+CR" option beside "Send" button

| 🤹 Terminal v1.9b - 20100630B - by Br@y++ 📃 | |
|---|---|
| Disconnect BeScan COM Port Baud rate C 600 Data bits Parity Stop bits Handshaking Help CDM16 C 14400 C 57600 C 5 C none C 1 C none C 1 About. CDMs C 4800 C 28800 C 128000 C 7 C mark C 15 C RTS/CTS Quit C 9600 C 56000 c ustom C 8 C 9ac C 2 C RTS/CTS+X0N/X0FF | |
| Settings Set font Auto Dis/Connect ✓ Time ✓ Stream log custom BR Rx Clear ASCII table Scripting Set font AutoStart Script CR=LF Stay on Top 115200 20 Graph Remote | CD RI |
| Receive C HEX Dec Bin | |
| 14:02:26.394> Available commands: 14:02:26.394> switch - switch the connectors 14:02:26.394> stats - show network statistics 14:02:26.394> conn - show TCP parameters 14:02:26.394> help. ? - show help 14:02:26.394> Help. ? - show help 14:02:26.394> Help. ? - show help 14:02:33.269> IPStecker 802-03>switch 14:02:33.269> Switches: 14:02:33.269> Switches: 14:02:33.269> loff - switch conn 1 on 14:02:33.269> loff - switch conn 2 on 14:02:33.269> loff - switch conn 3 off 14:02:33.269> available commands: 14:02:33.269> aoff - switch conn 3 off 14:02:33.269> apertate - get switch lname 14:02:33.269> chswlname - change switchl name 14:02:33.269> x - exit switches 14:02:33.269> x - exit switches | 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2D 2 |
| Transmit | RTS |
| Macros 50#200# :GP; :BR6; :RFI; :NORM; nacro naf Ver M4 Para M8 M10 Norm M14 M15 M16 M17 M18 M19 M20 M21 M22 M23 M24 | |
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Contact to the manufacturer

If any remark, question or request occurs to you contact us as follows: **Procontrol Electronics Ltd.**

Internet: www.procontrol.hu

Email: info at procontrol dot hu

Hardware manufacturing/service:

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Please turn to us with your requests concerning the program in written form possibly, as obvious and detailed as possible.