

Before you begin

There are several hardware requirements for this procedure. You will need:

- One Patton 2884, 2888, or 6081 unit
- A PC or a laptop

Syslog Daemons

If you are running a Windows based system, Kiwi is a good free syslog daemon. It is easy to use, set up, and very straight-forward. (<http://www.kiwisyslog.com/kiwi-syslog-daemon-download/>)

If you are running a Linux based system, Sarge is good for Debian, but almost all distros include syslogd.

Setting up the remote syslog

There are several options when setting up a remote syslog. The syslog PC in this document has the IP address of 10.10.42.5. You may be using a different IP address.

To see some of these options, type:

```
(none)# configure logging remote 10.10.42.5 ?
```

You will see port, priority and protocol.

Port: You can define which port the syslog messages are sent out.

Priority

Syslog has eight priority levels that can be set. The priorities will build on each other. **Emergency** will send out the least amount of messages. **Critical** will send you everything from Critical to Emergency. **Debug** will send out everything from the above messages and then some. To start off, Patton recommends going with *debug*; if you go with *error* you will have to wait until the box produces an error before you can verify that the syslog is working. You can always change it later.

- 0 emerg - Emergency
- 1 alert - Alert
- 2 crit - Critical
- 3 err - Error
- 4 warn - Warning
- 5 notice - Notification
- 6 info - Informational
- 7 debug - Debug

Protocol

Protocol can be TCP or UDP. Depending on your network or personal preference you may choose one over the other. The defaults are **protocol TCP**, **port 514** and **priority err**. If you use the command:

```
(none)# configure logging remote 10.10.42.5
```

The unit will use the defaults.

The following is an example command with the syntax for the additional options:

```
(none)# configure logging remote 10.10.42.5 port 514 priority err protocol tcp
```

Showing the syslog configuration

Use the command **show logging** to see the default local syslog and the remote syslog that you specified.

```
(none)# show logging
Destination IP/File  Protocol  Port/LnCnt  Priority
      syslog                local      200        warn
      10.10.42.5            tcp       514         err
```

```
(none)#
```

Saving the configuration

To save your configuration, enter the following command:

```
(none)# copy running-config startup-config
```

Or, type:

```
(none)# write
```

Setting up the syslog daemon

Ensure that your 2884/2888 can ping the syslog PC. If you cannot ping it, there is a good chance that your syslog messages will never make it to your PC.

Next, go to your syslog daemon and tell it to listen on tcp port 514 or the port you specified earlier.

In Kiwi, you can find it under **File > Setup**. Under **Inputs**, select *TCP* or *UDP*. Check the box to listen for that protocol and specify the port. Leave the rest of the fields blank.

You should begin to see the syslog messages start to show up in the log file on your PC.

Removing the remote syslog

Use the command **configure no logging remote 10.10.42.5** to remove remote syslog settings.

If you changed the port, priority or protocol, you will have to add those settings to the command.

```
(none)# configure no logging remote 10.10.42.5 port 514 priority debug protocol tcp
```

Additional Information

For additional help or any questions, contact Patton Technical Support:

Contacting Patton

If you have any additional questions please feel free to contact Patton's Technical Support:

- E-mail support—e-mail sent to **support@patton.com** will be answered within 1 business day
- Telephone support—standard telephone support is available five days a week—from **8:00 am to 5:00 pm EST (1300 to 2200 UTC)**—by calling **+1 (301) 975-1007**

Limitation of Liability

Information in this document is subject to change without notice and does not represent a commitment on the part of Patton Electronics Company (Patton). Under no circumstance, including Patton's negligence, shall Patton be liable for any incidental, special, or consequential damages, including lost profits, that result from the use or inability to use the product or related documentation, even if Patton has been advised of the possibility of such damage. Some jurisdictions do not allow the limitation or exclusion of liability for incidental or consequential damages, so the above may not apply to you. In no event shall Patton's total liability to you for damages, losses, and causes of action exceed the amount paid by you for the Patton product.

Last Updated

August 18, 2008



7622 Rickenbacker Drive
Gaithersburg, MD 20879
Tel: +1 301.975.1000
Fax: +1 301.869.9293