

Condor Series Radio PCAP (Wireshark) file capture.

Connect to any of the Condor Series Radio (415U-2, 415U-E, 925U-2, 215U-2) web page interface and then navigate to “Capture IP Comms” on the right-hand menu system (Menus may differ slightly depending on the Radio model). You can initiate the file capture via the USB or Ethernet interface.



ELPRO Technologies Condor-Base 06170000160

415U-2-C4

Dipswitch setting (at boot):	RUN Mode
Dipswitch setting (current):	RUN Mode
Ethernet MAC Address:	00:12:AF:10:F0:18

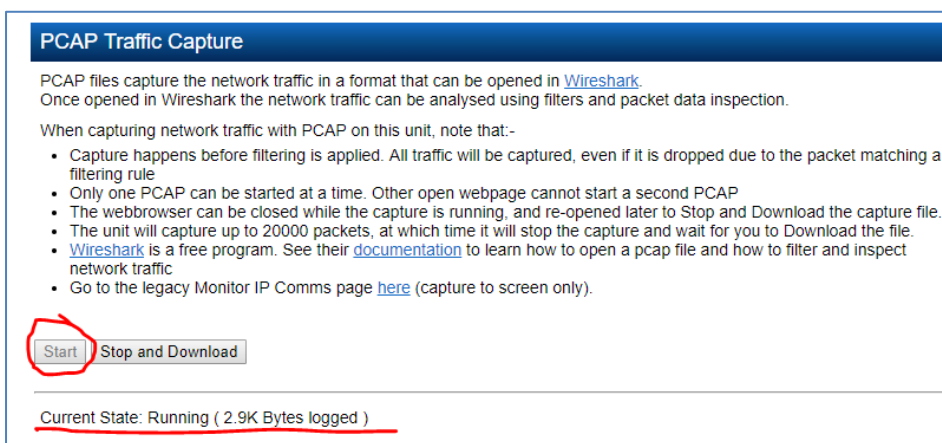
Owner:
Contact:
Device Name: Condor-Base
Description:
Location:
Configuration Version: 29-Mar-2019 12:41:04 PM

Model: 415U-2-C4
Configured Locale: Licensed Frequency Operation ?
Serial Number: 06170000160
Hardware Revision: 1.7g
Firmware Version: 2.24p2 -- Mon Feb 25 16:05:46 EST 2018 (7806)
Kernel Version: #224 PREEMPT Wed Aug 15 16:46:45 EST 2018
Bootloader Version: 3.7 - *** Mar 5 2019 14:55:12 (7889)
Prebootloader Version: 3.6 - Mar 19 2018 12:20:53 (7666)
Radio Firmware Version: E2-455 2.20 [May 28 2018 15:33:30] (7738)
Radio Hardware Version: 400-480MHz 10Watt 25kHz Channel R1.2 mod B

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 - Monitor Radio Comms
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From the “Capture IP Comms” page select the “Start” button

You should then check that the “Current State” shows “Running” and shows some data is being Logged.



PCAP Traffic Capture

PCAP files capture the network traffic in a format that can be opened in [Wireshark](#). Once opened in Wireshark the network traffic can be analysed using filters and packet data inspection.

When capturing network traffic with PCAP on this unit, note that:-

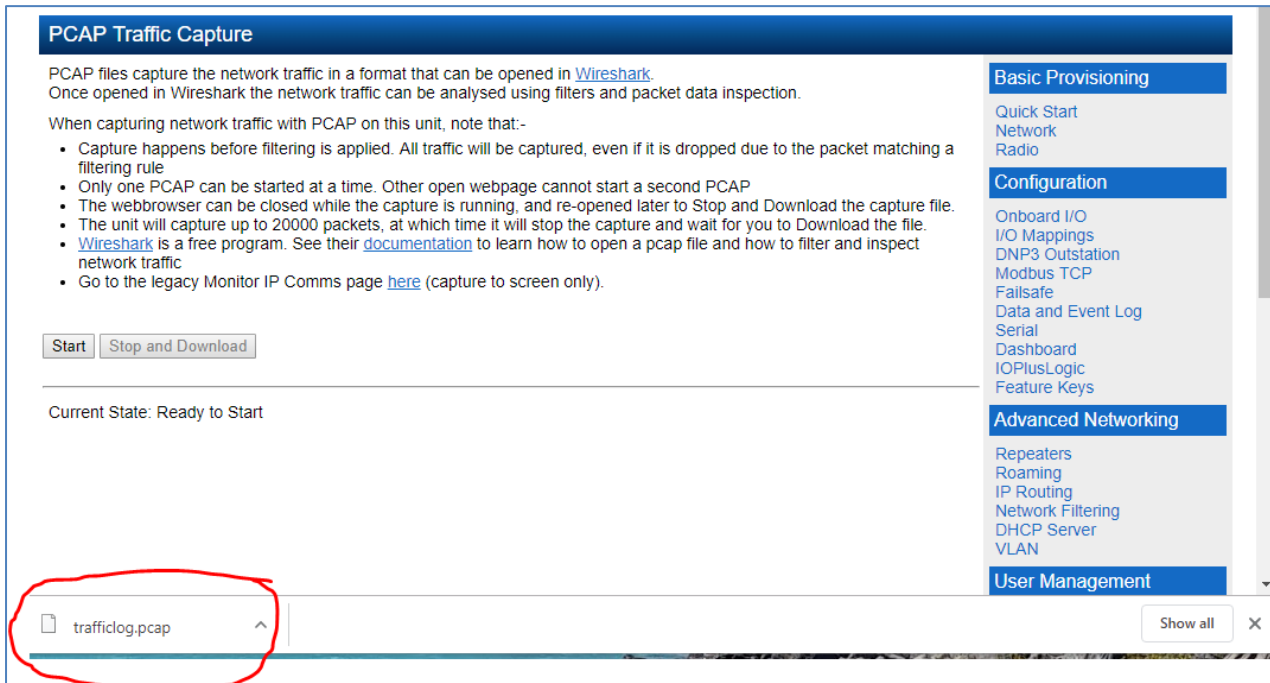
- Capture happens before filtering is applied. All traffic will be captured, even if it is dropped due to the packet matching a filtering rule
- Only one PCAP can be started at a time. Other open webpage cannot start a second PCAP
- The webbrowser can be closed while the capture is running, and re-opened later to Stop and Download the capture file.
- The unit will capture up to 20000 packets, at which time it will stop the capture and wait for you to Download the file.
- [Wireshark](#) is a free program. See their [documentation](#) to learn how to open a pcap file and how to filter and inspect network traffic
- Go to the legacy Monitor IP Comms page [here](#) (capture to screen only).

Start Stop and Download

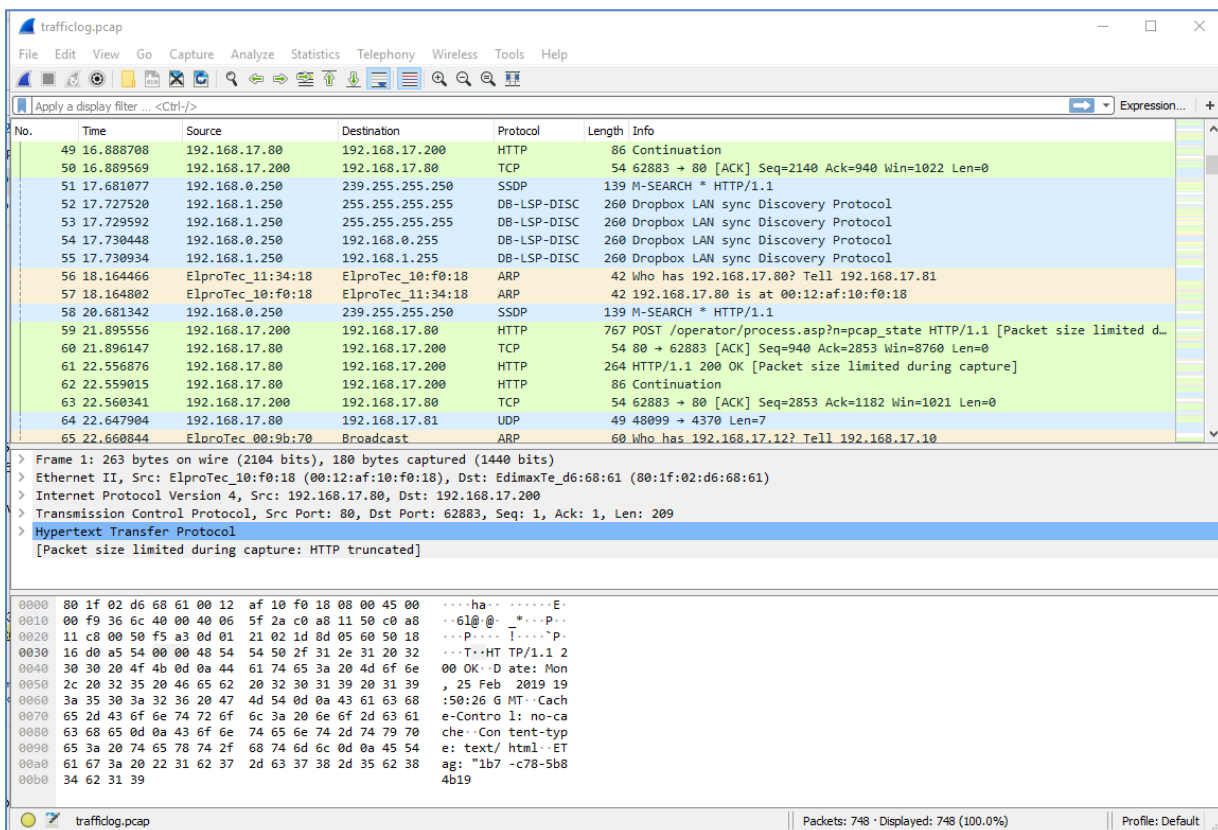
Current State: Running (2.9K Bytes logged)

Let the capture run for a good 5 minutes or longer depending on what the problem is that you are trying to diagnose. Some issues may require a specific process to happen to capture the Event or problem.

When you are happy that enough time and IP comms traffic has passed press the “Stop and Download” button and the file will download. Save the “trafficlog.pcap” file to allocation on your computer.



Now you can open the file using Wireshark.



When capturing network traffic with PCAP on this unit, note that: -

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Amendment Register:

Issue No.	Date	Details of Amendment
1.0	29/03/19	Draft Issue
1.1	23/7/24	Procedure common for all Condor series Radios