

Subject: How to use wireshark to remote capture the packet from AP

Model: DWL-2600AP, DWL-3600AP, DWL-6600AP, DWL-8600AP, DWL-8610AP

**Firmware:** latest 4.2.0.x and newer

Remote capturing is using the wireshark capture the packet directly from AP.

The benefit of it would be we can ignore the limit of the AP buffer.

For DWS-x600AP Radio 1 = 5 GHz & Radio 2 = 2,4 GHz.

For DWS-8610AP Radio 1 = 2,4 GHz & Radio 2 = 5 GHz.

**1.** telnet to the AP and enable remote capture

"set packet-capture start-remote-capture up"

" set packet-capture start-remote-capture down "

DLINK-WLAN-AP <mark># set packet-ca</mark>	pture start-remote-capture up
DLINK-WLAN-AP# get packet-ca	pture
Property	Value
capture-beacons	up
wireless-client-filter-mac	00:00:00:00:00:00
wireless-client-filter-mode	down
wireless-promiscuous-mode	advon
file-capture-interface	radiol
file-capture-duration	3600
file-capture-max-size	4096
remote-capture-ip-port	2002
wacket-capture-status	Remote Capture In Progress
packet-capture-time	01:32:27
capture-file-size	0
available-interfaces	jbrtrunk:eth0:wlan0:wlan1:radio1:radio2

2. Setup Remote interface on wireshark.

2	-1,				
	Wireshark: Capture Interfaces				
	Device	Description Intel(R) Ethernet Connection I217-LM	IP fe80::89b2:55a3:a98c:52f3	Packets Packets/s 3 48 5 Details	-
	<u>H</u> elp		Start Stop		]

Wireshark: Capture O	ptions	· Represent, Court Apply Dave	
Capture			
Capture In	terface	Link-layer header Prom. Mode Snaplen [B] Buffer [MiB]	Capture Filter
✓ Local Area 0 fe80::89b2:55a 192 168 11 142	3:a98c:52f3	Ethernet enabled 262144 2	
*			Γ.
Capture on all interpretence			Manage Interface
Use promiscuous r	node on all in	iterfaces	
Capture Filter:			<ul> <li>Compile selected BPF:</li> </ul>
pture Files			Display Options
File:			Browse
			Automatically scroll during live captu
Use <u>multiple</u> files		☑ Use pcap-ng format	Hide capture info dialog
Next file every	1		E Elde captaie and dialog
Next file every	1	minute(s) -	Name Resolution
Ring buffer with	2	files	Resolve MAC addresses
op Capture Automat	ically After		Resolve network-layer names
	cket(s)	1 megabyte(s)	Resolve transport-layer name
I file			☑ Use external network name resolver



Interface Management		
ipes Local Interfaces Remot	e Interfaces	
emote Interfaces		
Host	<ul> <li>Name</li> </ul>	
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## 2-4,



## 2-5,

	es Remote Interfaces	
Remote Interfaces— Host	▲ Name	I Hide ▲
	rpcap://[192.168.11.118]:2002/eth0	
	rpcap://[192.168.11.118]:2002/wlan	
	rpcap://[192.168.11.118]:2002/wlan	1 🗷 🗏
	rpcap://[192.168.11.118]:2002/radio	o1 🗌 🗌
	rpcap://[192.168.11.118]:2002/radio	o2 🖉 👻 🗸



## **2-6**,

🚄 Wiresha	irk: Capture Options	111 I gitter have marked	1.000					
Capture								
Capture	e Interface	Link-layer header	Prom. Mode	Snaplen (B) Bi	uffer [MiB]		Capture Filter	*
-	rpcap://[192.168.11.118]:2002/brtrunk							
	rpcap://[192.168.11.118]:2002/eth0	Ethernet	enabled	262144	2			
	rpcap://[192.168.11.118]:2002/wlan0	Ethernet	enabled	262144	2			
	rpcap://[192.168.11.118]:2002/wlan1	Ethernet	enabled	262144	2	_		=
	rpcap://[192.168.11.118]:2002/radio1	802.11 plus radiotap header		262144	2			
	rpcap://[192.168.11.118]:2002/radio2	802.11 plus radiotap header		262144	2		Choose the interface you want t	to captured
	rpcap://[192.168.11.118]:2002/any	Linux cooked	enabled	262144	2			
	rpcap://[192.168.11.118]:2002/lo (loopba 127.0.0.1	Ethernet	enabled	262144	2			-
<								P
🖂 Capt	ure on all interfaces							Manage Interfaces
🗵 Use	promiscuous mode on all interfaces							
Captur	e Filter:							Compile selected BPFs
Capture	iles							Display Options
File:							Browse	Update list of packets in real time
	and the second sec							Automatically scroll during live capture
	multiple files I Use pcap-ng form							☑ Hide capture info dialog
⊡ Next	file every 1 megabyte(s)	-						
Next	file every 1 💭 minute(s)	-						Name Resolution
C Ring	buffer with 2 in files							Resolve MAC addresses
Stop Cap	Stop Capture Automatically After							
. 1								Resolve transport-layer name
	a file(s)							Use external network name resolver
Help		9/ ·						<u>Start</u> Close