Prerequisites:

- You already have a connection in your ham shack to the mesh network.
- Your Winlink computer has an IP address from the mesh network.
- If those aren't met, see my AREDN_Beginners_Guide, available various places, or from me.
- Winlink Express is installed and operational.

There are two methods of moving Winlink traffic via the ham network, via a Winlink Post Office, or point-to-point between two Winlink Clients.

Sending traffic to a Post Office over the ham network

There are an increasing number of Post Offices listening on the mesh network. For best results, pick one that you know to be the closest one.

				\times
Delete 0	Open Session: Tel	net Post Office	Logs Help	
Source	Sender	Recipient	Subject	^
AJ7C	AJ7C	W6BI	Re: First HF connection!	
AJ7C	AJ7C	W6BI	Re: VARA HF Registration	
AJ7C	AJ7C	W6BI	Re: VARA HF Registration	
AJ7C	AJ7C	W6BI	ACK: Re: VARA HF	
AJ7C	AJ7C	W6BI	Re: VARA HF	
AJ7C	AJ7C	W6BI	Re: VARA HF	
AJ7C	AJ7C	W6BI	Re: VARA HF	
		_		
			k Checkin Was Received	

In order to find a local Post Office, open a session to a Telnet Post Office:

In the window that opens select Add Server:

Telnet Session to Network Post Office Server							_		\times
Netw	ork server:	WINLIN	K RELAY	(LINBPQ) - K6PVR-SVR	 Add server 	Remove server	Edit s	erver	
Exit	Settings	Start	Stop	Time to next Autoconnect = 07:44					
									^

In the window that opens, click on Update AREDN MESH Node List

🕵 Add Post C		\times	
Name:	1		~
Password:			
IP Address:			
Port number:	8772		
	(Leave password blank if not needed by station)		
Automa	tic Background Monitoring (session does not need to be open)		
Polling	time: Disabled V Send all messages in Outbo	х	
	Update AREDN MESH Node List	>	
	Save Cancel		

In the window that opens, click on Update MESH Nodes

Stephate AREDN MESH Node List	_		×
Master node: local.mesh	(Default: localne	ode.local.m	nesh)
Filter Winlink Services			
Winlink service filters: WINLINK;POST OFFICE			
(separate strings with	n semicolons)		
Update Progress Status:			
Update MESH Nodes Exit	View JSC)N List	

You should see this pop-up window. Note: the number of post offices found will vary as they come and go.

Success	×
10 advertised MESH services for Winlink post offices were for Exit to the screen where you can select the service to add to favorite post office server list.	ound. 9 your
	ОК

Click on OK.

Click on Exit.

🗱 Update AREDN MESH Node List		_		×
Master node: localnode local.mesh	(Default	: localnoo	de.local.m	iesh)
Filter Winlink Services				
Winlink service filters: WINLINK;POST OFFICE				
(separate strings with	n semicolo	ons)		
Update Progress Status:				
Update MESH Nodes Exit	Vi	ew JSON	l List	

You'll be returned to the Add Post Office Server window. In the Name: drop-down, select the Post Office closest to to you. For this tutorial we're using the Sulphur Mountain Post Office.

Note – if you leave Winlink Express on all the time, set the Polling time to something other than Disabled, so you'll pull in Winlink email destined for you periodically.

Click on Save.

🕺 Add Post (—		\times	
Name: Password: IP Address: Port number:	Winlink Relay (LinBPQ) - k6pvr-svr CCARES Sec TeamTalk/Winlink Post Office - AJ7C-TeamTal KE6NYT WInlink - KE6NYT-1-Pi KM6ZPO-WL2K - KM6ZPO-WWW Winlink - AB6BW-Shack-Node WinLink - AI6BX-Mesh-PC winlink - Simi-PD-EOG PC	k		~
Automa Polling	Winlink - w6bi-shack-pc Winlink Relay (LinBPQ) - k6pvr-svr Wielink RMS 10.5.3.165 - W2JCL-MINI Wielink - RMS 10.5.3.165 - W2JCL-MINI WinLink - 10.15.81.174 - WA6MZW-D16a g time: Disabled	utbox	-	
	Update AREDN MESH Node List Save Cancel			

You'll be returned to the "Telnet Session to Network Post Office Server" window. K6PVR-SVR should be selected as your Network Server.

If you've selected a Polling period, the "Time to next Autoconnect" should be counting down.

In order to test it, click on Start to start a connection cycle. If successful, you should see the connection sequence shown below. It should take less than 10 seconds – a bit longer if there's mail waiting for you.

🗱 Tel	net Session	to Networ	k Post C	ffice Server						_		\times
Network server WINLINK RELAY (LINBPQ) - K6PVR-SVR Add server Remove server							Edit s	erver				
Exit	Setting	Start	top	Time to ne	xt Autoconnec	:t = 05:47						
*** Conn No CMS Trying ea (WL2K-5 ;PQ: 676 CMS via ;FW: V (RMS I ;PR: 8 ; WL2I FF FQ *** Mess ** Mess *** Disco	ecting to net ected to WIN connection : 22-34-234-17 Connected :0-B2FWIHJ 43070 K6PVR > V6BI Express-1.5.3 1873240 & DE W6BI (d of session ages sent: 0 ages Receiv nnected at 2	Neck post of NLINK RELA available - u '-171.comput to CMS M\$] 35.0-B2FHM DM04PG) at 2021/03/ at 2021/03/02	fice WIN Y (LINB sing loca te-1.ama (\$] (02 19:44 s sent: 0, bytes re 19:45:00	ILINK RELAY PQ) - K6PVR- I BPQMail zonaws.com 4:54 , Time: 00:02 ceived: 0, To)	(LINBPQ) - K6P SVR at k6pvr-sv , bytes/minute: (tal session time:	VR-SVR at k6 rr.local.mesh p 0 00:02, bytes/	ipvr-svr.local J ort 8772 at 20	mesh port 8772 021/03/02 19:4	4:51			~

Sending traffic to another Winlink client over the ham network

Sending traffic point to point is different from sending it to a post office (regardless of how it's sent). You first have to create the destination station. To do that, you need to know the IP address of the PC that's running the destination Winlink program. You can find that by either asking the station operator, or frequently it's advertised on their mesh node, and you can determine its IP address by pinging it on the command line.



Once you've determined the destination computer's IP address, open a session to Telnet Peer to Peer and click on Add station.

Add P2P Station —	\times
Name:	Ŷ
Password:	
IP Address:	
Port number: 8774	
(Leave password blank if not needed by station)	
Automatic Background Monitoring (session does not need to be open)	
Polling time: Disabled ~	
Save Cancel	

Enter the IP Address. The Name does not have to be the hostname of the destination computer. It's a tactical name – it could be "Bob's Winlink" or "Red Cross Chapter", whatever is meaningful to you.

If you want to set a Polling time, it can be done in this screen. Save it.

When you've completed creating a message to go direct to a local station, it must be saved as a Peer-to-Peer Message. You can then post it to the Outbox as usual.

🗱 Ente	er a new message
Close	Select Template Attachments Post to Outbox Spell Check Save in Drafts
From:	W6BI V Sent as: Peer-to-Peer Message V Request message receipt Set Defaults
To:	AB6BW;
Co:	
Subject:	Test message
Attach:	
Testin	ng!

You can then open a session to Telnet Peer-to-Peer Session. Ensure your destination station is selected, and **Start** the session. Your Winlink client will connect to the destination and transfer your message(s).

Telnet Peer-To-Peer Session for LAN and MESH Connections

Exit Settings Start Stop Time to next Autoconnect = Disabled P2P station BW-PC

Add station Remove station Edit station

time to next Autoconnect = Disabled

Add station Remove station Edit station

time to next Autoconnect = Disabled

P2P station BW-PC

Add station Remove station Edit station

time to next Autoconnect = Disabled

P2P station BW-PC

Add station Remove station Edit station

Edit station

Edit station

Edit station

Edit station

Edit station

Edit station

Edit station

Edit station

Add station

Edit station