Winlink Workshop

By Oliver K6OLI

Winlink Basic Setup

Before we begin...

You will need...

Winlink Express: https://winlink.org/WinlinkExpress

Download

Winlink Express (current production version)

UZ7HO Soundmodem: http://uz7.ho.ua/packetradio.htm

<u>ptt-dll.zip</u>	30-Oct-19 22:39	247.22K
soundmodem105.zip	13-Oct-19 03:57	460.45K
user_guide_v045b_FR.pdf	11-Oct-13 19:13	333.12K

VARA FM: https://rosmodem.wordpress.com/

VARA FM v3.1.0 (VARA for FM transceivers)

How Do I Find RMS Gateways?

1. Within Winlink

- a. Session -> Channel Selector
- 2. Using Winlink.org
 - a. <u>https://winlink.org/RMSChann</u> els

3. APRS

- a. APRS.fi
- b. aprsdirect.com

Packet Channel Selector

Exit Select Channel Update Table Via Internet Update Table Via Radio

Stations found within 160 kilometers of your grid square.

Callsign	Frequency (MHz)	Baud	Grid Square	Group	Distance (km)	Bearing (Degrees)	^
KA6ECT-10	145.050	1200	DM04WD	EMCOMM	000	000	
KA6ECT-10	431.125	9600	DM04WD	EMCOMM	000	000	
W2JCL-10	145.050	1200	DM04WC	EMCOMM	006	180	
(6YZF-11	145.030	1200	DM04VD	EMCOMM	007	270	
(6ZHY-10	145.070	1200	DM04XC	PUBLIC	010	124	
W6GSW-10	431.125	9600	DM04WB	E = Search here	! Q 11	iour 🕚 Arliantan	0so (39)
W6GSW-10	145.050	1200	DM04WB	E _{ngeles}	Port Townsend		
A.17C-10	145 050	1200	DM04TA	E Sequim	Port Blyn Hadlock-Irondale	G Marysville - (iranite Falls Ve 12)
P 5	η HT P C	Canada M M M M M M M M M M M M M	Hudson Bay	N C C C C C C C C C C C C C C C C C C C	Oulcené Brinnon Seabeck Bellar Bellar	binde shand stand shand stand shand shand	Monree 20 Vah Snoque Nort
orth cific ean	R	My UT Unred States	Guil of Mesico	Sheton Cor Kamilche McCleary Ima Canital	Alyn-Grapeview La City mywater City	Federal Way	tig ckley tig

	Signalink/ XGComms	DRA/RIM50	Built-In (ICOM, Yaesu)	TNC
Device	SignaLink USB			Kantonica PacketCommune nor 8 Pus Pover Xnit Rev Con Sis Mail (*** 9 2000 00 00 00 00 00 00 00 00 00 00 00 0
Pros	VARA FM, Packet VARA HF, Ardop NBEMS HRD, etc. Wide compatibility	VARA FM Wide Packet	VARA FM, Packet VARA HF, Ardop NBEMS HRD, etc.	Additional features like BBS, etc.
Cons	No VARA FM Wide	No NBEMS No Winlink HF	No VARA FM Wide	No VARA FM or HF No Winmor or Ardop
Best for	Field Operators Interoperability	Gateways Winlink FM	Field Operators Interoperability	

WL2K Properties 1

- Call Sign
- My Password
- Password recovery e-mail (!)
- My Grid Square
- Service Codes
 - PUBLIC = public
 - EMCOMM = private, use with permission only

Winlink Express Properties	5	
Call Signs		
My Callsign: K60	DLI	My Password:
Callsign suffix (optional):	(Used for	(Case sensitive) Show passw country code)
Password recovery e-mail	km6dmf@gmail.	com
(Non-Winlink e-mail addre	ess where lost pass	word will be sent when requested)
Remove Callsign	Request pas	sword be sent to recovery e-mail
		Remove Entry
☑ LAC-OLIVER		Add Entry
		Remove Entry
		Edit Entry
My Grid Square: DM04Wi Winlink Express registration Service Codes	D Lat/Lon to	o Grid Square
DUDUO ENCOMM		
PUBLIC EMICOMIM		
	inne Consente mi	Wala analisa andar humana a
(Use PUBLIC for ham call si	igns. Separate mu	tiple service codes by spaces.)

Update

WL2K Properties 2

Check

- Display list of pending incoming messages prior to download
- Fill in as much information as you are comfortable with
- Click on **Update**

Name:	Oliver Dully
Street address 1:	90 Hurlbut #7
Street address 2:	
City:	Pasadena
State/Province:	CA
Country:	USA
Postal code:	91105
Web Site URL (optional):	
Phone number:	
Non-Winlink e-mail:	k6oli@arrl.net
Additional information (optional):
Portable asset	^
ecalculate HF path quality if SFI	changes more than: 30
ep logs for 2 🗧 weeks.	Keep deleted messages for 30 da
and the second se	g messages prior to download
Display list of pending incoming	

K6OLI •	Settings Message Attac	hments Move To:	Saved	Items	~ D	elete Open Session:	Telnet Winlink	Logs Help
	â, ∓ 🛛 ≿ 🔒 ∂ ·	≫	19			I I		
No active session								
System Folders	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject	
Inbox (0 unread) Read Items (62) Outbox (0) Sent Items (44) Saved Items (0) Deleted Items (5) Drafts (17)								
Personal Folders SWMHE (1)		Wi Ne	nlinl w M	k Cor	sole			^
Contacts ARESNEDIGI BOB_VANDERWALL DAVID_GROSS GARY_WONG JON_BELL MIKE_JONES NANCEE_DARLING OLIVER_DULLY		Inb Ou Op Ses	ox tbox en S sion	essio Sele	n Sta ction	rt		

Compose and Post

- 1. Start New Message
 - Click on New Message Icon
 - Message -> New Message
- 2. Compose message
 - Enter address in To: ____
 - Enter Subject:
 - Enter Message
 - Verify Send as:
- 3. Post to Outbox

-011	From:	K6OLI	~	Send as:	Winlink Messa	ige 🎽	Request	read receip
зе <mark>нн</mark>	To:	W2JCL;						
	Cc:	k6oli@arrl.ne	t;					
▁┟┥	Subject:	Winlink Test	Messag	e - Please	Discard			
	Attach:							
— н	lello world	de Oliver K6Ol	_					

Verify message is posted in Outbox

Winlink Express 1.5.28	3.6 - K6OLI	l.							8		\times
K6OLI •	Settings	Message Attac	hments Move To	Save	ed Items	- Delete	Open Session:	Telnet Winlink	~ L	.ogs He	lp
		2 3	≫ ⊘								
No active session											
System Folders		Date/Time 🔻	Message ID	Size	Source	Sender	Recipient	Subject			
Inbox (0 unread) Read Items (62) Outbox (1)		2020/06/03 17:20	PHN57YDPI7SU	231	K6OLI	K6OLI	W2JCL	Winlink Test I	Message - P	ease Discar	d
Sent Items (44) Saved Items (0) Deleted Items (5) Drafts (17)											
Personal Folders	Messa	age ID: PHN57	YDPI7SU								~
SWMHE (1)	Date: From: To: V Cc: } Source	: 2020/06/03 : K6OLI W2JCL k6oli@arrl.ne ce: K6OLI	17:20			d					
Global Folders	Hello	ect: Winlink o world! de C	Test Message Diver K60LI	e - Pl	ease Dis	scard					

Exercise 1

Compose, post and send a Winlink message via Telnet

3 Step Process:

- 1. **Compose:** Start and compose a new message
- 2. **Post:** Post message to Outbox
- 3. Send: Open a Session and Start the connection to send

Winlink Guides - Getting Started with Soundcard Interfaces

Packet

https://winlink.org/content/packet_radio_winlink_uz7ho_software_us ing_sound_card_interfaces_signalink_dra_built_in_2019

VARA FM

https://winlink.org/content/vara_fm_quick_setup_vara_fm_305_and_ higher_signalink

Fix the Scaling Behavior

1) **Right-click** the "RMS Express" shortcut and select "Properties" 2) **Click** "Compatibility" tab 3) Click "Change high DPI settings" 4) **Check** "Override high DPI Scaling behavior. Scaling performed by:" Select "System (Enhanced)" or "System" in the drop-down box 6) Click "OK" 7) Click "OK"

