A Quick Setup Guide for Fldigi!

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Get the Software

Download

- Fldigi
- Flmsg
- Flwrap

from SourceForge https://sourceforge.net/projects/fldigi/files/ and run the installer (.exe) for each of them.* (* Always check any downloads with your antivirus before executing) (** For Android Users: you can use your phone or tablet to run AndFImsg. Files and instructions available here: https://sourceforge.net/projects/fldigi/files/AndFImsg/)

Turn off system sounds in Windows

After you have hooked up your Signalink please make sure it is <u>not</u> selected as the default audio device by right mouse clicking on the speaker icon

and selecting Open Sound Settings, Select USB Audio CODEC Click on Device Properties Click on Additional Device Properties Click on Levels

Then select **Playback**. Right-click your computer's internal soundcard and **Set as Default Device** and then right-click again and **Set as Default Communication Device**. There should be a green check mark on the internal soundcard device now.

Do the same for **Recording.**

Then click **OK**.





Also make sure that Signalink is not your active Playback Device. You can select your active playback device by left clicking on the speaker icon and selecting any playback device other than USB Audio CODEC. Selecting Speakers/Headphones in the example here is a good idea.



Quick Tip: Build a direct shortcut to your soundcards for quick access

- Right-click on **Desktop**
- Select Create Shortcut
- In "Type the location of the item" copy and paste mmsys.cpl
- Click Next

Select Sounds.

Under Sound Scheme select No Sounds.

- Type Soundcards
- Click Finish

Customize your Soundcards Shortcut icon: Properties -> Shortcut -> Change Icon -> paste C:\Windows\system32\SHELL32.dll

Setting up Fldigi

The first time you run Fldigi there will be a setup wizard. Fill in what you know but do not spend too much time there, it will be covered below.

 Image: Nove (address Vere) (address)
 Image: Nove (address)
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After double-clicking on the Fldigi icon the main screen will appear.

Configure Fldigi

Now click on Configure, then Config Dialog



Click on **Operator-Station** in the menu on the left.

Fill in the fields with your **Callsign**, **Name**, **QTH** and **Locator***. Then click **Save**. Please note that the Fldigi Configuration window will stay open. Keep it open.

*You can look up your Maidenhead Locator at

http://www.levinecentral.com/ham/grid_square.php

Fldigi configuration				-		\times
 Configure Colors-Fonts Contests IDs Logging Modem Misc Operator-Station Rig Control Soundcard UI Waterfall Buttons & Controls Display FFT Processing Mouse usage Spectrum Web 	Operator-Station Station Callsign: Operator Callsign: Operator Name: Antenna: Station QTH: Station Locator: State County	K6OLI K6OLI Oliver J-Pole Pasadena, CA DM04wd California	CA			
Collapse Tree	Restore defaults	S	ave		Close	15

Configure Audio Devices

Click on the Soundcard tab. In **Devices** check **PortAudio** and select your soundcard. (For this example, we use the computer's built-in soundcard)

-] Configure	Soundcard/Devices				
 	OSS		Device:		
+ Logging + Modem + Misc	@ PortAudio	Capture:	Microphone (Realtek High Definition Audio)	\$	
Operator-Station Rig Control Soundcard	(C) Forthadio	Playback:	Acer T232HL (Intel(R) Display Audio)	\$	
Alerts Devices Right channel			Server string:		
Settings Wav file recording	□ File I/O only		$\overbrace{{ e }}$ Device supports full duplex		
Waterfall Buttons & Controls	Alerts / Rx Audio				
Display FET Processing		Playback	Speakers / Headphones (Realtek	🕈	
Mouse usage Spectrum + Web			□ Enable Audio alerts		

Quick tip

When using a SignaLink you would select **USB Audio Codec** for **Capture** and **Playback**.

Configure Modem - MT63

Click on the **Modem** tab then select the **MT-63** tab in the tab row below. Make sure **8-bit** extended characters (UTF-8), Long receive integration, Transmit lower start tone and Transmit upper start tone are all checked. Click Save.

Fldigi configuration			×
Configure Colors-Fonts Contests Contests Logging Modem C W DominoEX	Modem/MT-63		
Feld Hell FSQ FSQ IFKP Olivia Psk TTY Thor Navtex Wefax Misc Operator-Station Rig Control H Soundcard	 Transmit lower start tone Transmit upper start tone Tone Duration (secs) Low tone at 500 Hz Centered at 1500 Hz (SHARES) Manual tuning 		
UI Viterfall Collapse Tree	Restore defaults Save	Close	1-5

Configure Misc - NBEMS

Click on the **Misc** tab, then select **NBEMS Interface**.

Check Enable, Open Message Folder, Transfer direct to executing flmsg, Open with flmsg and Open in browser. This will automate your work with Flmsg. Click Save.

Next click on Locate flmsg and select your flmsg.exe.

In the example below it was located in C:\Program Files(x86)\flmsg\flmsg.exe Click **Save**. Click **Close**.

Fldigi configuration		(<u>*</u>)		×
Configure	interface			
Contests IDs Logging Modem Misc	NBEMS data file interface Image: Open message folder			
Autostart	Reception of flmsg files			
TCP-IP sessions NBEMS interface Sweet Spot Rx text capture PSK reporter	Selection of transfer direct takes precedence over all other filmsg reception settings Transfer direct to executing filmsg			
DTMF KML				
Operator-Station F Rig Control	flmsg: C:\Program Files (x86)\flmsg\flmsg.exe	Locate flm	sg	
Soundcard UI Waterfall Buttons & Controls	2.0	Timeout (secs)		
Display				
Collapse Tree	Restore defaults Save		Close	<u>/</u>

Quick tip:

Flmsg is actively developed. In this example, **flmsg** is version 4.0.5, which is typically located in

C:\Program Files (x86)\flmsg-4.0.5\

or

C:\Program Files\flmsg-4.0.5\

You could install **fimsg** in a folder without the version extension, for example:

C:\Program Files\flmsg

Then install future versions in the same folder, overwriting the last version. That has the advantage that you avoid having to update the fldigi reference to flmsg every time there is a version upgrade of flmsg.

General Shortcut	Compatibility	Security	Details	Previous Versio	ns
RADIOCEAN VI. NAVIEN AND State of the second	nsg 4.0.1				
Target type:	Application				
Target location:	flmsg-4.0.1				
Target:	"C:\Program F	iles (x86)\f	lmsg-4.0.	1\flmsg.exe"	
Start in:	"C:\Program F	iles (x86)\f	lmsg-4.0.	1"	_
Shortcut key:	None				
Run:	Normal windo	w			~
Comment:					
Open File L	ocation	Chang <mark>e</mark> Ic	on	Advanced	

Quick tip

A quick way of finding the location of flmsg.exe is to right mouseclick the **flmsg shortcut** on your desktop, selecting **Properties** and copying the address without the quotation marks and pasting it in Fldigi.

Select Op Mode

ARES LAX NE is mainly operating on MT63 2000L or 8PSK1000F.

In the main window click on **Op** <u>M</u>ode, Select **MT63**, then select **MT63-2000L**.

(You can also set up a <u>Macro</u> button for each of those modes)

<u>F</u> ile	Op <u>M</u> ode	Conf	igure	View	Log	gbook	
	CW			_			
	Contestia	•	<u>م</u> ا	<u> </u>	1	5	
	DominoEX	· •		ノーン) _	J	8
PKTE	FSQ				- 6	2) (iii)	
I KII	Hell	•		1			
	IFKP		A	IS 🕅		(QSO)
C	MFSK		C	rot 🕅		0	C Rep
	MT63	•	MT63	-500S			
	Olivia		MT63	-500L			_
_	PSK		MT63	-1000S			
	QPSK	- •	MT63	-1000L			
	8PSK		MT63	-2000S			
	PSKR	•	MT63	-2000L			
	RTTY				•		



You can tell what **Op Mode** you are in at the bottom left hand corner of the main screen.

Transmit and Receive ID

In the upper right hand corner of your screen click on **RxID** and **TxID** to activate.



Macros

The Fldigi macros will quickly become your best friend. They can be customized by right clicking on the macro button and filling in the information.

CQH ANSH QSOH KULI SKU Me/Qch Brag T/R Tx.₩ RxIII TX.H

1 fidigi ver3.23.13 - K6OU	- 0
Ele Op Mode Configure View Logbook Help	Spot RXID TXID TUNE
145.525 a a a a a a a a a a a a a a a a a a	
NORE V V COLOR OF St Pr Loc	
Macro editor - C/Users/Oliver/fidigi.files/macros/macros.mdf – C X	
Maro Text 🔶 Select Tag	
APROP - my frequency APROP - mode	
my name <myname> <myname> < dMYCALL> my col my coll <mycall> (MYCALL> (MYCALL) / my col</mycall></myname></myname>	
my QTH <myqth> dvr(na/e> my QTH dvr(na/e)</myqth>	
my LOC <my loc=""> dvtrds > my Aterna catTBNA> my anterna catTBNA> my anterna</my>	
CRED: Fidguetann V	
Macro Button Label Me/Qth Apply Close	
1	
un la transmission de la companya de	
	Bx II TX M
500 1000 1500 2000 2500 3000 3500 4000 4500	5000 5500
	K T/R

Fields in<> will be autopopulated with the information you entered at the beginning. </BYNAME> will be your name in the outbox, for example.

Macro editor - C:/Users/Oliver/fldigi.files/macros/macros.r	ndf				×
Macro Text		4	Select	Tag	
		<freq> <mode></mode></freq>	my fr mode	equency	^
my call <mycall> my QTH <myqth> my LOC <myloc></myloc></myqth></mycall>		<mitlale> <mitloc> <miyname> <miyqtt> <anteinna> <band> <ver> OTCL</ver></band></anteinna></miyqtt></miyname></mitloc></mitlale>	my lo my n my Q my R my a oper Fidigi	an ocator ame JTH ST ntenna ating band iversion	
Macro Button Label	Me/Qth		Apply	Close	

Activate a macro by clicking on it or use the corresponding F-Key (F1, F2, F3, etc.). If a macro has <TX> written at the end it will autotransmit when activated.

If it does not autoactivate then click on the macro to put it in the blue Outbox and and click a blue send button.

T/R turns transmission on and off.

Tx>> is continuous transmission. Turn off continuous transmission by clicking T/R or RX||.
Rx|| is receive. So you would type your message, click Rx|| where you want to switch to receive (^r will appear in outbox) and then click Tx>>. When the message reaches the ^r in the transmission cycle your transmission will stop and Fldigi will return to listening mode.
Tx>| sends the message and then automatically returns to receive mode.

Modem Macros

<MODEM:MT63-2KL> for switching to MT63-2KL<MODEM:8PSK1000F> for switching to 8SK1000F

Check-in Macro (ARES LAX)

Keep everything in <BRACKETS> as those items are autofilled by Fldigi. You may enter your own information in the Tactical Call, Rig and MESH (Y/N) fields. The "For NCS information" is identical to the top and is useful for copying and pasting check-ins.

- Begin copy below this line -

Check-in

Tactical Call: ARLINGTON Callsign: <MYCALL> Name: <MYNAME> Location: <MYQTH> Rig: Kenwood TM-D710G Antenna: <ANTENNA> MESH (Y/N): Y (2.4GHz/5.8GHz) Date: <LD> Time: <LT>

For NCS

TACTICAL CALL, CALLSIGN, FIRSTNAME, LOCATION, RIG, ANTENNA, MESH(Y/N), Date, Time LAC-OLIVER, <MYCALL>, <MYNAME>, <MYQTH>, Kenwood TM-D710G, <ANTENNA>, Y (2.4GHz/5.8GHz), <LD>, <LT>

- End copy above this line-

Check-out Macro (ARES LAX)

- Begin copy below line -Check Out Tactical Call Sign: ARLINGTON Operator Name: <MYNAME> Operator Call Sign: <MYCALL> Location: <MYQTH> Station secured on <LD> at <LT>

For NCS CheckOut,Date,Time <MYCALL>,<LD>,<LT> - End copy above this line-

Finally!

You are now ready to send and receive Fldigi messages. You can choose to use Fldigi manually with your built-in soundcard (Rx through your computer microphone and Tx through the speakers while pushing the PTT) or use an external soundcard like Signalink to automate the Tx/Rx.

Additional Quick Tips

Squelch Random Characters

You may see random characters being decoded in your receive window:



Fix:

In the lower right hand corner click on SQL, which will activate the Fldigi squelch and move the slider above up just until the random decode stops.

