Digirig Settings – Icom ID-5100

ID-5100 Hardware Setup

FTDI USB Data Cable ICOM ID-5100A ID-5100E OPC-1529R OPC-2218LU + Cloning SW



Software Setup

Download USB Soundcard Software for Icom:

<u>https://www.icomjapan.com/support/firmware_driver/1974/</u> - Download Drivers & Attach Digirig Gear & Turn On ID-5100 Unit

Device Manager

Find Com Port Number from Device Manager (Rt Mouse Click Window Start Button- Device Mgr.)

🚦 Device Manager			×
File Action View Help			
🗢 🔿 📧 📔 🗊 晃			
 WSB Input Device USB Input Device USB Input Device USB Input Device IDE ATA/ATAPI controllers Imaging devices Keyboards Mice and other pointing devices Monitors Portable Devices Portable Devices Ports (COM & LPT) Silicon Labs CP210x USB to UART Bridge (r Print queues Printers Printers Communications Port (COM3) 	Note: Usually the Last Com Port On List – 7 Numbers will Vary		~
 Sensors Software components Software Defined Radio Software devices Software devices Sound, video and game controllers Sorage controllers System devices Universal Serial Bus controllers WSD Print Provider 			~

Fldigi Setup

Open Fldigi Software – Configure – Config Dialog



Select Devices - Select Port Audio - Capture Dropdown

Fldigi configuration								\times
Configure Colors-Fonts	Soundcard,	Devices						
Contests Ds		⊖oss			Device:			
+ Logging + Modem + Misc		PortAudio	Capture:	Internal Micr	rophone (Conexant SmartAudio	HD)	 ¢	
Operator-Station Rig Control frig	1		Playback:	Speakers (C	onexant SmartAudio HD)		•	
GPIO Hamlib				Server str	ing:			
Hardware PTT C-Media PTT Soundcard		⊖File I/O only		Oevice sub	upports full duplex			
Alerts Devices		Audio device shared b	oy Audio Aler	ts and Rx Mo	onitor			
Right channel Settings		Headphones (Conex	ant SmartAu	dio	\$	€Enable		
Signal Level Wav file recording → UI		No	te: must be	selected and	enabled for Rx Audio monitorin	g!		
Waterfall								
Collapse Tree		Restore defaults]		Save		Close	<-

Capture – Dropdown – Select Your <u>Microphone</u> – USB PnP Sound

Fldigi configuration Configure Colors-Fonts Contests IDs Logging Modem	Desktop Microphone (RØDE NT-USB Mini) — …	
Hisc Operator-Station Rig Control Soundcard Alerts Devices Right channel Settings Signal Level Wav file recording UI Waterfall Web	PortAudio Playback: Desktop Microphone (RØDE NT-USB Mini) Microphone (USB PnP Sound Device) Microphone (USB Audio CODEC) PulseAudio Server string:	
	OFile I/O only OPerice supports full duplex Audio device shared by Audio Alerts and Rx Monitor	
Collapse Tre	ee Restore defaults Save Close /-	

Playback – Dropdown

Fldigi configuration		- 🗆	×
Colors-Fonts Contests IDs	OOSS Device:		
Logging Modem Misc Operator-Station Rig Control	☑ PortAudio ☑ PortAudio Playback: Speakers (Conexant SmartAudio HD)	HD) 🔷	
CAT (rigcat) GPIO Hamlib Hardware PTT	OPulseAudio Server string:		
C-Media PTT Soundcard Alerts	OFile I/O only OPevice supports full duplex		
Right channel Settings Signal Level	Audio device shared by Audio Alerts and Rx Monitor Headphones (Conexant SmartAudio \$	€Enable	
Wav file recording ⊕ UI ⊕ Waterfall ↓ ₩ab ♥ ♥ ♥ ♥ ♥	Note: must be selected and enabled for Rx Audio monitoring	!	
Collapse Tree	Restore defaults Save	Close	< <u>-</u>

Select - Your <u>Speakers</u> - "USB PnP Sound Device" – Save - Close

Fldigi configuration	×	
 Configure Colors-Fonts Contests IDs Logging Modem Misc Operator-Station Rig Control Soundcard Alerts Devices Right channel Settings Signal Level Wav file recording UI Waterfall Web 	Soundcard/Devices Speakers (USB Audio CODEC) VX3276-FHD (Intel(R) Display Audio) Speakers (USB PnP Sound Device) Speakers (Conexant SmartAudio HD) MME devices Windows DirectSound devices Windows WDM-KS devices Windows WDM-KS devices Vindows WDM-KS devices	
Collapse Tree	Restore defaults Save Close	

Select – Save - Close

Fldigi configuration	-		×
- Configure	Soundcard/Devices		
Colors-Fonts Contests IDs	OOSS Device:		
+ Logging + Modem + Misc	Capture: Digirig Mic (USB PnP Sound Device)	 \$	
Rig Control Soundcard	Playback: DigiRig Speakers (USB PnP Sound Device)	 	
Alerts Devices Right channel	OPulseAudio Server string:		
Settings Signal Level Wav file recording	☐File I/O only		
+ UI + Waterfall	Audio device shared by Audio Alerts and Rx Monitor		
··[+] Web	Headphones (Conexant SmartAudio		
	Note: must be selected and enabled for Rx Audio monitoring!		
Collapse Tree	Restore defaults Save	Close	
			2

Select flrig – Check Unable flrig – Save - Close

Fldigi configuration		×	<
 Configure Colors-Fonts Contests IDs Logging Modem Misc Operator-Station Rig Control firing CAT (rigcat) GPIO Hamilib Hardware PTT C-Media PTT Soundcard Alerts Devices Right channel Settings Signal Level Wave file recording UI Waterfall 		Rig Control/firig firig is the preferred method of tranceiver control Enable firig xcvr control with fidigi as client Shutdown firig with fidigi firig xmlrpc server parameters these controls are mirrored on the IO configuration tab 127.0.0.1 Addr "Disable PTT keys modem if multiple instances of fidigi (client) are connected to a single firig (server). Flrig PTT keys modem	
Collapse	e Tree	Restore defaults Save Close	-

Select Hardware PTT – Dropdown Select Your Com Port – Initialize - Save -Close

Fldigi configuration			o x	¢.
Configure Colors-Fonts Contests Contes	Rig Control/Hardware PTT	ORTS = + ODTR = +	+V +V	
Soundcard Alerts Devices Right channel Settings Signal Level Wav file recording H UI Waterfall Wab	GPIO PTT (Pi specific controls) PTT delays valid for all CAT/PTT types	Ioitialize	······	
Collapse Tree	Restore defaults Save	Clos	se /	-

Rdigi ver4.1.20 - KW3KW	- 0 ×
Ele Op Mode Configure Yew Lopbook Help	Spot RxID TXID FTUNE
1 1070 000 © Freq 14071.500 On Off 2334 In [599 Out [599 Cnty/Cnty Notes	
	•
RSID CQ ANS M QSO W KN III KN IIII KN III KN III KN IIII KN III KN III KN III KN III KN III KN III K	
	<u>, 6500, , 7000, , , 1</u>
	TRV TT/R
F5Q.4.5 I </td <td>I III -3.0 IF IF IIII I AFC ISQL</td>	I III -3.0 IF IF IIII I AFC ISQL

Icom ID-5100 Station Settings

- 1. Squelch Off
- 2. FM Analog (VFO Mode)
- 3. Frequency On HT Determines The Frequency For Rig Control BUT Won't Show Up In The Software Frequency Display – South Eastern Available Frequencies
 - a. 144.310
 - b. 144.340
 - **c.** 144.990
 - d. 145.010
 - e. 145.030
 - f. APRS National 144.390
 - g. 144.300 144.500 DIGITAL (2) (ARRL: New Oscar Sub-band) (144.310 & 144.340)

Fldigi configuration										×
Configure Colors-Fonts	Â	Rig Contro	ol/Hardware PTT							
+ Contests + IDs		OPT	T tone on right audio ch	annel						
		h/w ptt	device-pin							
Operator-Station		€Use	e separate serial port P1	П	□Por	t is second SCU-1	7 device			
firig CAT (rigcat)		COM7					Ouse RTS	ORTS	= +V	
GPIO Hamlib	4						Use DTR		= +V	
Hardware PTT C-Media PTT								(
Alerts		GP	IO PTT (Pi speci	fic cont:	ols)			Initia	lize	
Right channel Settings		PTT dela	ays valid for all CAT/PTT	types						
Signal Level Wav file recording				Start of tr	ansmit PTT de	lay				
⊕ UI ⊕ Waterfall	•			PITend o	r transmit dela	ау				
Collapse Tre	e		Restore defaults)		Save			Close	<-
Fldigi configuration										×
Configure Colors-Fonts	A	Soundcard	/Devices							
Contests IDs			⊖oss			Device:				
+ Logging H Modem				Capture:	Digirig (USB I	PnP Sound Device	e)		 	
Operator-Station				Playback:	DigiRig Spea	kers (USB PnP So	und Device)		•	
CAT (rigcat) GPIO Hamlib	1		⊖PulseAudio		Server str	ing:				
Hardware PTT C-Media PTT Soundcard			⊖File I/O only		Oevice su	upports full duples	ĸ			
Devices Pight channel			Audio device shared b	oy Audio Aler	ts and Rx Mo	nitor				
Cattions			Headphones (Coney	ant SmartAu	dio		\$	Enable		
Signal Level			Incoopriories (conex							
Signal Level Wav file recording			No	te: must be	selected and o	enabled for Rx Au	udio monitoring	9!		
Settings Signal Level Wav file recording UI Waterfall	•		No	te: must be	selected and o	enabled for Rx Au	udio monitoring)! 		