# RcForb Version 9 Client (Preliminary – July 31, 2016)

## File Menu



- **New Connection:** Used for a temporary connection to a remote. For a permanent listing (listed in Lobby) use "Add Remote" (upper right hand corner of Lobby)
- **My Account:** Log in to your RemoteHams account or change user.
- **Options:** Reset Client to factory default, Open Registry settings
- About: Show Client version
- Exit: Close Client.

## Login Dialog (self explanatory)

<b>্রি</b> য়ান	- MARS CAN
	Username Mari Password ********
	New Account Forget Password

## Lobby (Remote List)

Enter tex	xt to	search P		+	Add Remote	e 📀 Synchronize
Orb Id	d 🔺	Remote Station	Radio	City 🔺	State 🔺	Country 🔻
69	77	KG6YPI 6M K3	КЗ	Salinas	CA	United St
27	07	N8DA HF	FTDX-12	Bever	FL	United St
293	30	W8RJ K3 / KPA500 160-12 CW Ready	КЗ	Sout	MI	United St
64	02	W7DXX Super Remote.	КЗ	Las Cr	NM	United St
75	34	W8FDX Kenwood TS590s (80-6 Meters) CW Ready	TS-590	Orrville	ОН	United St
713	78	AC7UB - Icom IC-7100	Ic-7100	Williams	Arizona	United St
41	.09	W6RYO TS-870	TS-870	Alta L	CA	United St
23	198	N61) Club Radio- Elecraft K3 factory test radio. Join at n6ij.org	КЗ	Marina	CA	United St
79	06	WD6R	FT-1000D	Newb	CA	United St
85	16	N6IE Ranch	КЗ	Petal	CA	United St
629	96	KG6YPI LPRC-REMOTE	IC-2720H	Salinas	CA	United St
869	91	KF6C_SM	КЗ	San	CA	United St
533	21	N6RSS ICOM-735	Ic-735	Santa	CA	United St
88	92	AG6IS Kenwood TS-590SG	TS-590	Squa	CA	United St
× 🔽 [C	Online	] > '63605374196' Or [Favorite] = '1' 👻				Edit Filter
Online:	145	RX: 38 TX: 107 Clubs: 102 Non-Clubs: 43 Synchronized @ 7:29 AM				}∃ Default Sorting

- **Connect to a Remote:** Double click on the remote to connect to.
- **Disconnect from a Remote**: File Menu->Disconnect.
- Add Favorite: Right click on desired remote. Will be shown first in the Lobby.
- Add Remote: Add a remote to the Lobby list. Will be shown first in the Lobby.
- **Synchronize:** Syncs lobby list with the latest list from the RemoteHams server. List automatically syncs every 10 minutes.
- Search for a remote: Enter text in search box, upper left.
- Filter List: Click on Online, RX, TX, Clubs and Non-Clubs to set predefined lobby filters.
- Search for a remote: Enter text in search box, upper left.
- **Custom Filters:** Right click on header and select an option.
- Remotes that are in gray are offline, but were online in the past 24 hours (default sorting)

#### **Ribbon Controls**

Ribbon controls are described in the following sections.

Individual ribbon controls may be pinned to the "Quick Access Toolbar" by right clicking the control.

Quick Access Toolbar may be positioned under the ribbon controls, by right clicking the empty space of the ribbon control to the right of the controls, while it's being displayed.

Speaker and Mic levels are pinned in the Quick Access Toolbar by default.

Ribbon control can be pinned open with the small triangle on the far left side.

#### **Audio Controls**

Welcome, w8rj VO	. d⊨ mic d⊨ ÷		W8RJ K3 / KPA500 160
Audio Cont	rol Devices Virtual Devices	Layout	(c
SPKR Speakers (VIA 🔹	VOL	ON	OFF
4IC Microphone (USB 🔻	MIC	CONFIG 50ms -	CONFIG 800ms -
Audio Devices	Audio Levels	Buffering (Latency) 🔺	VOX (Local)

- Audio Devices: Select sound devices to be used.
- Audio Levels: Adjust volume of Speakers or Microphone.
- **Buffering (Latency):** Adjust buffering of the VoIP. Lower values result in less latency. Dependent on Internet speed, computer speed, and sound card.
- **VOX:** Actuate TX button on a remote. Suggested only when using a headset.

## Control Devices (Remote Head, Orb Control Box and 3rd Party Logging software)

Click on dropdowns for configuration.

🖸 🔵 W	/elcome, <b>w8rj</b>	VOL - MIC -		F		RC	Forb Client by RemoteHam
-	Audio	Control Devices Virtua	Devices	Layout			
OFF		ON	ON			ON	ON
CONFIG	COM6 🔻	CONFIG COM8	r cor	IFIG COM8		CONFIG COM8 -	
Elecraft	K3-Remote	ORB Control Device		External PTT	×.	External CW 🛛 🖌	External CAT 🏼 🖌

- Elecraft K3-Remote: Select Com Port and baud rate of a K3 or K0-Mini for controlling a remote. Using a K3 or K0-Mini with non K3 remotes, will only control frequency and mode.
- **Orb Control Device:** Select Com port for an OrbBox. In the configuration there is the ability to automatically detect an OrbBox.
- **External PTT:** Built into the OrbBox. You may also homebrew an external PTT switch, using a Serial Port and wiring a switch between the RTS pin and CTS pin. Select use "RTS for Power" in Configuration.
- **External CW:** Built into OrbBox. Interface to the software based electronic keyer in the Client. You may also homebrew an interface using the RTS pin for power and wiring the appropriate pins for the dit and dah sides of a paddle.
- External CAT: Built into OrbBox. Used for integrating 3rd party logging software such as N1MM.
  3<sup>Rd</sup> party software should be set to talk to an Elecraft K3. If not using an OrbBox, see "Virtual K3" described in "Virtual Devices"

### **Virtual Devices**

<b>.</b>	Audio	Control Devices	Virtual Devices	Layout
		ON	ON	
FG 7810	-	COM COM10 -	COM COM11 -	COM -

- Virtual HRD: The Client has a built in HRD IP Server enabling you to use HRD's auxiliary programs such as their Logbook or Digital Master.
- Virtual K3: Create a Virtual Serial Port enabling you to hook up 3<sup>rd</sup> party software such as N1MM. Set the 3<sup>rd</sup> party software to connect to an Elecraft K3. Supports basic CAT commands such as TX/RX, Frequency, Mode, Split, and "KY CW". TX via RTS pin, and CW via DTR pins on remotes configured for "Serial CW".
- Virtual Rotator: Create a Virtual Serial Port enabling you to hook up 3<sup>rd</sup> party rotator control software. Uses the DCU1 protocol. (N1MM set to EZ-Rotator. HRD set to DCU2 or DCU3).
- Virtual Winkey: Not implemented yet.

**Note:** These connections are only **valid while connected** to a remote radio. Baud rate (speed) is not applicable to a Virtual Serial Port.

#### **CW Window**

CW								<b></b>
MACROS						+	CONFIG	+
CQ	TU	5NN	CALL	F5	F6	F7	F8	
			385	s.				*
								v

- Type characters in window to send (See CW Config for Send on KeyPress)
- Buttons will send out Macros.
- Click on Macro to configure Macros.
- Click on Config for Sidetone settings, CW speed, etc.
- If using External CW (paddles), decoded characters will show in window.

## **CW Config**

	10.1
Send On Keypress	Normal Delay
Sidetone	
Enable Sidetone Enab	ele Keyboard Sidetone
VOL (24%)	- 1 - 1 - 1 - 1 - 1 - 1
	<u> </u>
Pitch (600 Hz)	
Paddle	
rauuie	
Mode 💿 Iambic A 📀	Iambic B 📀 Iambix
19 WPM	1 1 1 1 1 1 1 1

- Send on KeyPress: Characters are sent when the key is pressed according to the "Delay" that is set, otherwise characters are sent with the Enter key.
- Enable Sidetone: Enable Sidetone when using External CW (paddles).
- **Enable Keyboard Sidetone:** Enable Sidetone when using keyboard CW. Useful if the remote radio doesn't send out a Sidetone. Typically Yaesu and Kenwood radios.
- **Paddle:** Select type of lambic keying, speed and weight. Weight of "1" is a 3:1 dash to dot ratio.

#### **CW Macros**



- Left column is name of macro. 5 character limit. The macro buttons caption will show name.
- Right column is information sent
- %call% substitutes your username (callsign)
- ProSigns are shown at bottom.

#### LAYOUT



- **Application Theme:** Select the skin scheme.
- Tablet Mode: Makes the application friendlier for small touch screens.
- Radio Skin: Select different radio skin. (alpha release has only the K3 skin)
- **Keep Aspect Ratio:** Enabled, keeps all radio controls the proper size while re-sizing the main form.