### VX-5500/6000 Quick Reference Guide (NA)

TOPICS	PAGE
Overview	1
• FAQs	1
Basic Programming	2-4

#### **OVERVIEW**

Product: VX-5500/6000

#### **Required Equipment:**

Laptop/Desktop PC with Windows XP service pack 3/vista/windows 7
 FIF-12A and CT-105 Programming cable
 Latest Clone editor Software – CE49
 NOTE: Software & Firmware is accessible via Vertex Standard Online (VSOL)

#### **Required Information:**

□ Frequencies (Provided by FCC)

### <u>FAQs</u>

Question	<u>Actions</u>	If Problem Persists
Where is the current software / firmware posted?	Access VSOL > Resource Center > Technical Information	Contact 800-283-7839 > VSOL Tier 1
Radio will not read	<ol> <li>Check your Com Port settings in the File/Configure menu and set it for the FIF-12A.</li> <li>Start with radio off.</li> <li>Click the "Upload" button.</li> <li>When the software says to turn the radio off and back on, turn the radio on.</li> </ol>	Contact 800-283-7839 > Technical Support

### VX-5500/6000 Quick Reference Guide (NA)

#### BASIC PROGRAMMING

STEP 1: Complete the following set up configuration

	Programming Software Setup								
Program	Programming software setup is used to program the radio.								
Note: En	sure that the software is set to the proper Com Port in the	File/Configure menu.							
Caution:	Caution: Computer USB ports can be sensitive to Electronic Discharge. Do not touch exposed contacts on cable when connected to a computer.								
Portable Radio	FIF-12A FIF-12A CT106 programming cable	USB CE86 Software							

STEP 2: Verify that the latest software version is being used. (see FAQ's)

CE49 fo	or Windows\del	ault.C49 - CE49	Win for ¥X-4000_5500_6000 Series	
dio Ch	annel <u>H</u> elp			
劇 8	Help T	opics		
	Get St About	arted CE49	About X	
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**STEP 4**: Verify the radio has the latest firmware (see FAQ's)

Produ	ct Type	VX-	5500						
FW V	ersion	0000	)						
End	ode	Тх							Lock
Туре	Code	Po	SCAN	TOT	SQL	ANI	Comp	Encr	out

STEP 3: After connecting the radio, read the radio

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		<u>D</u> ow	inload	−⊨				
		Dec	k Change	E				
	•							
VHF C								

**STEP 5:** Select Wide or Narrowband operation by double-clicking on the field.

RPT	• [	₩N	TAG				
-		W	CHAN-001				

## VX-5500/6000 Quick Reference Guide (NA)

#### BASIC PROGRAMMING continued

STEP 6: Enter Transmit and Receive frequency



**STEP 8:** Once enabled, double click on each field to change to the desired tones.

	CTCSS fre	equency		-
Type Code Type Code F CTCSS CTCSS I	OFF 67.0 69.3 71.9 74.4 77.0 79.7 82.5 85.4 88.5 91.5 94.8 97.4 100.0 103.5 107.2 110.9 114.8 118.8	1230 127.3 131.8 136.5 141.3 146.2 151.4 156.7 159.8 162.2 167.9 167.9 167.9 167.9 183.5 186.2 189.9 192.8 196.6 199.5	203,5 206,5 210,7 218,1 225,7 229,1 233,6 241,8 250,3 250,3 254,1	7
			ок	Cancel
			_	

**STEP 7:** If desired, activate Sub Audio tones for each channel by clicking on the field and pressing the "Space Bar" until desired type is selected (CTCSS or DCS).

	Decode Encode				Тx
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**STEP 9:** If multiple channels/groups are desired, open the Channel Allocation/Group Tag window.

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i 🔒	-	创	⊆hann	el Allocation/Group Tag				

### VX-5500/6000 Quick Reference Guide (NA)

#### BASIC PROGRAMMING continued

**STEP 10:** Enter the desired number of channels in each desired group.

Channel Allocation/Group Tag									
							1/10 page		
No.	Ch's	Group TAG	SCAN/VTK		No.	Ch's	Group TAG	SCAN/VTK	
Grp <u>1</u>	003	GROUP001	Disable	~	Grp 14( <u>D</u> )	000	GROUP014	Disable	7
Grp <u>2</u>	002	GROUP002	Disable	<b>v</b>	Grp 15(E)	000	GROUP015	Disable	r
Grp <u>3</u>	000	GROUP003	Disable	~	Grp 16(E)	000	GROUP016	Disable	7
Grp <u>4</u>	000	GROUP004	Disable	Ŧ	Grp 17( <u>G</u> )	000	GROUP017	Disable	7
Grp <u>5</u>	000	GROUP005	Disable	7	Grp 18( <u>H</u> )	000	GROUP018	Disable	7
Grp <u>6</u>	000	GROUP006	Disable	<b>v</b>	Grp 19(()	000	GROUP019	Disable	<i>r</i>
Grp <u>7</u>	000	GROUP007	Disable	7	Grp 20(J)	000	GROUP020	Disable	7
Grp <u>8</u>	000	GROUP008	Disable	Ŧ	Grp 21( <u>K</u> )	000	GROUP021	Disable	7
Grp <u>9</u>	000	GROUP009	Disable	7	Grp 22( <u>L</u> )	000	GROUP022	Disable	7
Grp 1 <u>0</u>	000	GROUP010	Disable	7	Grp 23( <u>M</u> )	000	GROUP023	Disable	7
Grp 11( <u>A</u> )	000	GROUP011	Disable	~	Grp 24( <u>N</u> )	000	GROUP024	Disable	y
Grp 12( <u>B</u> )	000	GROUP012	Disable	~	Grp 25( <u>0</u> )	000	GROUP025	Disable	7
Grp 13( <u>C</u> )	000	GROUP013	Disable	~					
(Page Up/Down If the Group Sc	]key:Allocat an is set, pl	tion page Up/Down lease mark on more ti	han 1 channel at th	he scar	column in the g	proup.	ок	Cancel	
dit Channel Nu	umber(0-2	50)						<en1< td=""><td>re</td></en1<>	re

STEP 12: Write the program into the radio.

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A	A 😰 1	Upla	ad					
		Dow	Inload	┣				
		Dec	k Change					
		_	_	_				
VHF C								

**STEP 11:** Repeat steps 5-8 for all added channels in this group and in any additional groups.

Group	Group 1 TAG [GROUP001] ( 3 Channels)					
Chn	Pri	RPT	W/N	TAG	Rece	
1	-	-	W	CHAN-001	160.01	
2	-	-	W	CHAN-002	160.01	
3	-	-	W	CHAN-003	160.01	