

EVX-Link Training What is the EVX-Link



EVX-Link is a fast and easy way to connect multiple DMR digital coverage areas regardless of geography.

This system provides a seamless and reliable connection via the use of an existing Local Area Network (LAN) or internet. It works with or without a repeater infrastructure which offers great flexibility.

EVX-Link can be used with existing systems or can replace the functionality of legacy high power repeater equipment.

EVX-Link Training Installation



Connection

Wide Area Network

The most common connection for multi-site configurations. By connecting to the local internet, this configuration allows connection to multiple geographically separated coverage sites.





Connection

Local Area Network

EVX-Link equipment can also be connected locally, without the use of an external internet source. Connect multiple EVX-Link boxes with a switching hub or router for localized communication. For example, two transceivers can be connected with the EVX-Link (as shown in the illustration below) to operate in a similar fashion to a repeater. As a result, you can significantly extend the communication range of the hand-held transceiver that has access to the EVX-Link (eVerge Transceiver).



EVX-Link Training

Radio Setup



Radio Firmware Update

Use the FW6 software to update radio firmware to Ver 01.22.01.12-3

- I. Un Zip the EVX-5300_Firmware_V01_22_01_12-3(Package) .zip file
- 2. Power on the radio and connect to PC via FIF-12
- 3. Double click FW6 to update the radio firmware
- 4. Click WRITE to update firmware

FIRMWARE UPDATE FILES		CONFIGURE			Select COM Port (FIE-12		
File Date	Reload	COM Port	COM8 (FIF-12)		accordingly		
	Browse	Baud Rate	115200 bps 🔹				
* [PRODUCT NAME] EVX-5300	***************************************	WRITE	ertex Standa	rd			
* [FIRM VERSION] CPU_V01_22_03_DSP_V01_12	**	6					
* [FIRM VERSION] CPU_V01_22_03_DSP_V01_12 * [CHECK SUM] CE2D * [Other 1] EVX-LINK Test Firmware	**						



2. Setup mobile frequency Color code,TX Power

The EVX-mobile does not require other settings to be programmed in EVX-Link mode. The EVX-Link only operates in Digital mode.



2. USB Setup

Need to connect the EVX-Link box to a powered EVX-mobile radio to program.

1. Setup USB Driver for EVX-Link box by using EVX-Link_Driver _Setup software
2. Connect EVX-Link via USB
3. Check the Device Manager

The COM # will be different
The COM # will be different
For COM 4 and the particular software
Sond, vide and game controllers
Sond vide and game control



Connection



EVX-Link Beta test Setup

EVX-Link Box Setup

Double click "EVX-LinkSetup" to execute the programming software.

If "User account control" box appears, press "Yes" box to continue.

EVX-LINK					
ocal IP Address	Serial			Setup Data	
L 100 100 0	_	D. J.D.L. Furner	1.	1	oad Setup File.
19 Address 192 - 106 - 0 -	_	Baud Rater 115200	Eps	Res	d From EVX-Link
Subnet Mask: 255 . 255 .		Parity Bit [NURE		5	ave Setup File_
Gateway Address 0 0 0 0	2	Stop Bits: 1	bit	50	ite To EVX-Link:
lestination IP Address				-	
₽ 1 192 - 168 - 0 - 2	0.0.0	. 0 F 17	0.0.0.	[= 25	00
F 2 0 . 0 . 0 . 0	0.0.0	. 0 11	0.0.0.	[26]	8.8.8.8
Г3 <mark>0.0,0.0</mark> Г	1 0 . 0 . 0	. 0 T 19	0.0.0.1	- r n	0.0.0.0
F 4 0 . 0 . 0 . 0	2 0.0.0	. 0 - 20	0.0.0.1	- 0 - 28	0.0.0.0
Г 5 <mark>0.0000 Г</mark>	3 0 . 0 . 0	. 0 - 21	0.0.0.1		0.0.0.0
F 6 0 . 0 . 0 . 0	4 0 . 0 . 0	. 0 F 22	0.0.0.		0.0.0.0
Г7 <mark> 0 . 0 . 0 . 0</mark> Г	s 0 , 0 , 0	0 F 23	0,0,0,0	n	0.0.0.0
Г 8 <mark>Г 0 0 0 0</mark> Г	6	0 1 24		- 732	





Vertex Star

EVX-Link Box Setup

When using a router, the network address and port translation (NAPT) is necessary. The following UDP (user datagram protocol) port must be connectable: **21000**. The DMZ feature is easy to setup above requirement and most of the routers have this feature.

Password: me3	e8a88					•• (unlocked
← Back to Das	shboard						
Firewall	Port Forwarding	MAC Address Filtering	DMZ	DDNS	WAN Ping Blocking	Security Log	
IP Address of V	Virtual DMZ Host				What is the	DMZ?	
Enable					This allows y network to be fravely while	ou to specify a devic placed outside you	e on your r router's
Static IP 119.173.241.6					firewall.	other devices remai	m bening the
Private IP 192.168.2. 10	I						



 Local IP address setup Program your local IP address (EVX-Link IP) Program Subnet Mask Program Gateway Address

IP Address:	192	-93	168	32	0		1
Subnet Mask:	255	-23	255	-	255	35	0
Gateway Address:	0	- 63	0	72	0	200	0

IP Address, Subnet Mask and Gateway Address settings are depending on your local area network settings. Please check your IT dept how to setup those numbers.



Check your Local IP address using Command Prompt window and type ipconfig



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EVX-Link Beta test Setup EVX-Link Box Setup

 Target IP address setup (up to 32) Program target IP address Check the target box You can add the alias to each address





EVX-Link Box Setup

- 3. Click Write To EVX-Link box to write setup data to EVX-Link
- 4. Click Save Setup File box to backup your setup data to PC



EVX-Link Training EVX-Link Box Setup



Example setting for 9 sites on same network



Remove check mark from same IP address to avoid address conflict !

This setup means Site 192.168.0.1 sends to sites 2 to 9

EVX-Link Training EVX-Link



Thank you