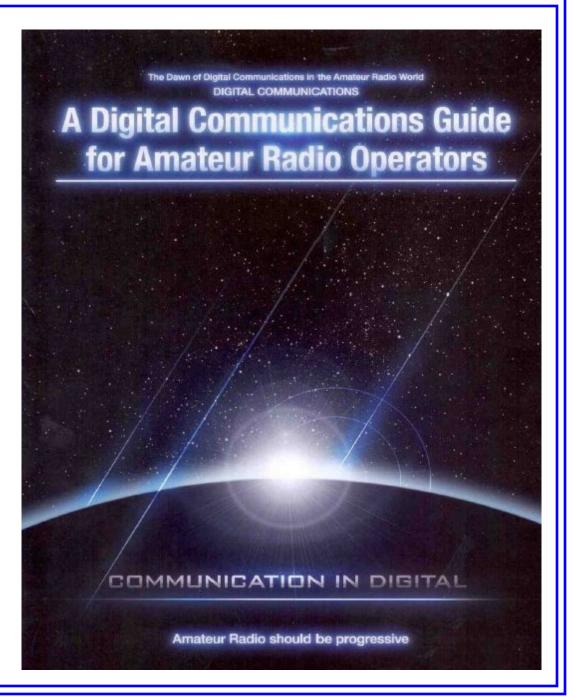


Yaesu System Fusion



NJ3U – Rory David Shaffer Thanks to KC3BRA Jim Fisher Yaesu Images Used



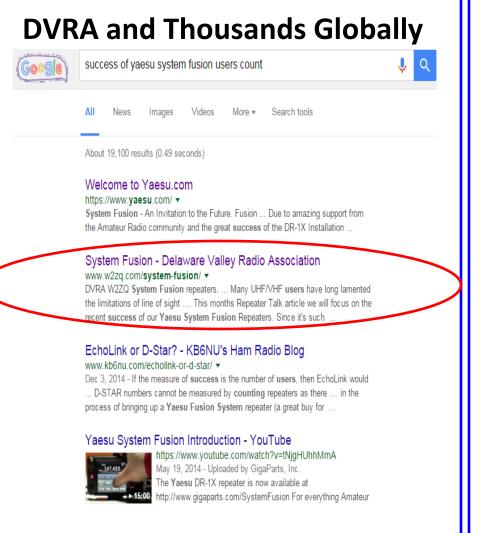
Topics

- Yaesu Fusion What is it and Who is Using It?
- Interesting Features of Fusion
 - Text, Images, Sounds and More
- WiresX RF and Internet Meet to Extend Your Range
- Questions / Answers

Yaesu Fusion – What is it and Who is Using It?



- Yaesu entry into the digital market for amateur use
- Born from Japanese ham marketplace circa 1998
- Provides for mixed mode use FM or Digital
- Full line of radios including HT, Mobile, Base and Repeaters



Yaesu Fusion – What is it and Who is Using It?

DVRA and Thousands Globally





- 1) Click the download button
- 2) This will take you to our web page
- 3) Download the FREE product

NOT LOGGED IN!

North American Repeaters | Worldwide Repeaters | FAQ



Find specialized searches and information for Yaesu System Fusion-equipped repeaters.

Newest Yaesu System Fusion Repeaters								
Click a row to view the repeater								
	Urbana	Ohio (US)						
	Mountain View	Arkansas (US)						
VA3EOD	Dryden	Ontario (CA)						
W4NV	Moyock	North Carolina (US)						
XE1EFQ	CDMX	Distrito Federal (MX)						
IR3B	Padova	Italy (IT)						
IR3UB	Padova	Italy (IT)						
F1ZIZ	Limoges	France (FR)						
KC7MRQ	Ronan	Montana (US)						
W8YZ	Monroe	Michigan (US)						

Welcome to the Yaesu System Fusion Area

Total worldwide tracked repeaters: 1077

Search for Yaesu System Fusion-equipped Repeaters (North America)

> --ALL----ALL-- ▼ Search Repeaters

Choose State or Province Choose Band

Search for Yaesu System Fusion-equipped Repeaters (Outside North America)

Search Repeaters

Choose Country Choose Band --ALL--▼ --ALL-- ▼

Yaesu Fusion – What is it and Who is Using It?

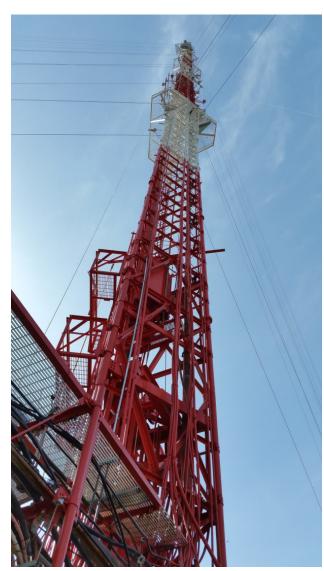
■ 147.105 W2MER



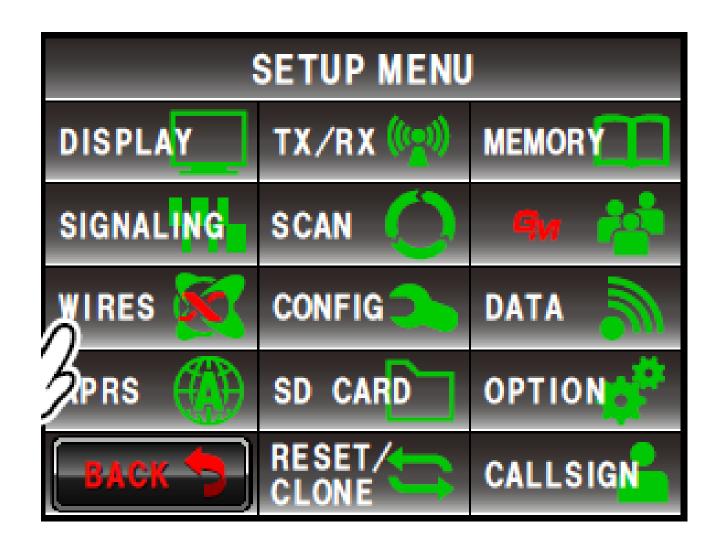
- 146.46 Sarnoff
- 444.800 Phil Mont
- 448.225 Penn Wireless
- 145.150 Berks Radio Club
- 146.7450 KX3B Buck

Interesting Features of Fusion

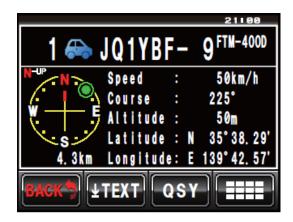
- Traditional FM Plus AMS
- C4FM Digital Two Modes (Great Voice Quality)
- Location Services
 - Ranging / Location
 - Group Monitoring
- Radio over IP (RoIP)
- Image Capture
- SD Card Programming



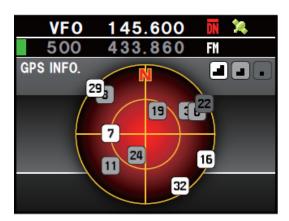
Setup Menu Opens the Configuration



Other Interesting Features



APRS



Satellite Cluster

Timer



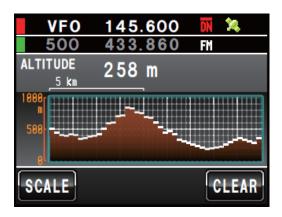
Group Monitor



Other Interesting Features

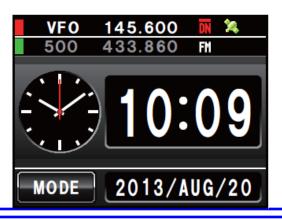


Ranging to Other Users

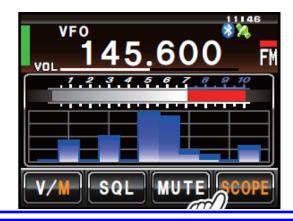


Altitude Tracking

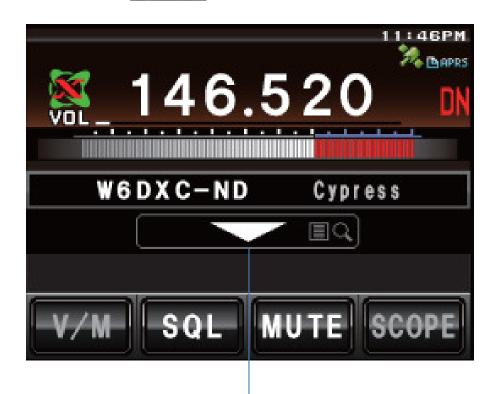
Clock



Band Scope



That Key Activates Smart Access



No Need for DTMF Codes

ALL	11:46PM
FOOTBALL	16
CQ-ROOM	12
VOIP-CLUB	10
NYLINKS	7
TALK-CALIFORNIA	3
BACK TOP SE	ARCH & IRECT

Within 30 Miles

Frequency	Offset	Tone	Call	Location	ST/PR	Use \	/OIP Mi ▼	Dir	(T)
147.1650	+0.6 MHz	162.2	K3JJO	Horsham	PA	OPEN	2.0	N	•
146.7900	-0.6 MHz	131.8	W3SK	Southampton	PA	OPEN	4.6	E	•
448.2250	-5 MHz	131.8	W3SK	Southampton	PA	OPEN	4.6	E	•
447.4750	-5 MHz		K3PDR	Wyndmoor	PA	OPEN	5.8	SW	•
444.8000	+5 MHz	186.2	W3QV	Roxborough	PA	OPEN	9.0	SW	•
146.6850	-0.6 MHz	146.2	WM3PEN	Philadelphia, University of Pennsylvania	PA	OPEN	14.2	SSW	•
443.9500	+5 MHz	131.8	K3DN	Hilltown	PA	OPEN	14.9	NNW	•
145.3700	-0.6 MHz	91.5	NJ2CH	Cherry Hill	NJ	OPEN	15.7	SSE	•
444.9000	+5 MHz	131.8	K3RJC	Cherry Hill	NJ	OPEN	15.7	SSE	•
447.3750	-5 MHz	100.0	W3DI	Lawrence Park	PA	OPEN	17.0	SW	•
447.7750	-5 MHz	146.2	NJ2GC	Gloucester City	NJ	OPEN	17.8	S	•
146.6700	-0.6 MHz	131.8	W2ZQ	West Trenton	NJ	OPEN	18.0	E	•
445.6750	-5 MHz	131.8	WB3JOE	Paoli, Hospital	PA	OPEN	20.0	WSW	•
147.2250	+0.6 MHz	192.8	WA2WUN	Runnemede	NJ	OPEN	20.8	S	•
147.1050	+0.6 MHz	123.0	W2MER	Lawrenceville	NJ	OPEN	23.1	Е	•
444.7500	+5 MHz	103.5	W3AI	Sellersville	PA	OPEN	23.2	NNW	•
442.6500	+5 MHz	131.8	W2ZQ	West Trenton	NJ	OPEN E	24.9	E	•
442.1000	+5 MHz	131.8	W2MMD	Pitman	NJ	OPEN	28.8	S	•
444.1000	+5 MHz	151.4	KA3NRJ	Allentown, South Mountain	PA	OPEN E	33.1	NNW	•
146.9550	-0.6 MHz	131.8	WA3UYJ	Wilmington	DE	OPEN	35.7	SW	•

- ID list: https://www.yaesu.com/jp/en/wires-x/id/id usa.php
- Room list: https://www.yaesu.com/jp/en/wires-x/id/active_room.php





FT2DR
FM/C4FM
5 Watt Output
2 mt – 440 mhz
GPS Built In
Dual Band
APRS
Camera Mic Accs

FT1D
FM/C4FM
5 Watt Output
2 mt – 440 mhz
GPS Built In
Dual Band
APRS
Camera Mic Accs

Big Difference Form Factor Touch Screen Display Monochrome Photos





FT400XDR
FM/C4FM
5/20/50 Watt Output
2 mt – 440 mhz
GPS Built In
Dual Band
APRS
Camera Mic Accs

FTM-100DR
FM/C4FM
5/20/50 Watt Output
2 mt – 440 mhz
GPS Built In
Dual Band / Single Receive
APRS
Detachable Faceplate
Does Not Support Camera Mic

Big Difference Form Factor Touch Screen Display Color Photos Advanced Monitoring



FT-991

All Band All Mode (CW,SSB,AM,FM,C4FM,Packet 50/100 Watt Output DC Power Only Dual VFOs & Antenna Jacks USB Connectivity

Color Display Touch Panel Control

Antenna Tuner

Scope / Waterfall / Spectrum

Does Not Support Camera Mic / Image Display /SD

Big Difference
All Mode Radio
100 Watts
Form Factor Touch Screen
Display Color Photos



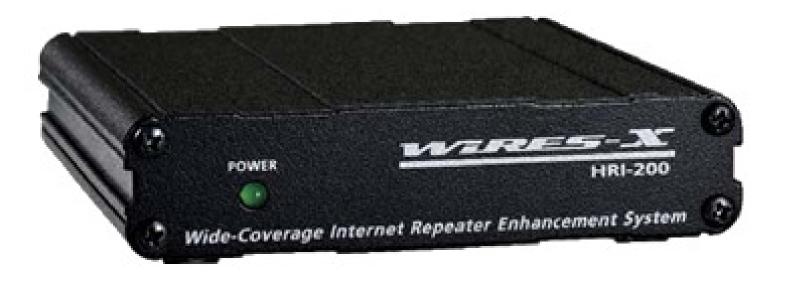
DR1X
Color Touch Screen Programmable
FM/C4FM/AMS
5/20/50 Watt Output
Dual Band 2/440

Big Difference AMS Capable Operation Form Factor Touch Screen AC/DC Capable Upgradable Firmware

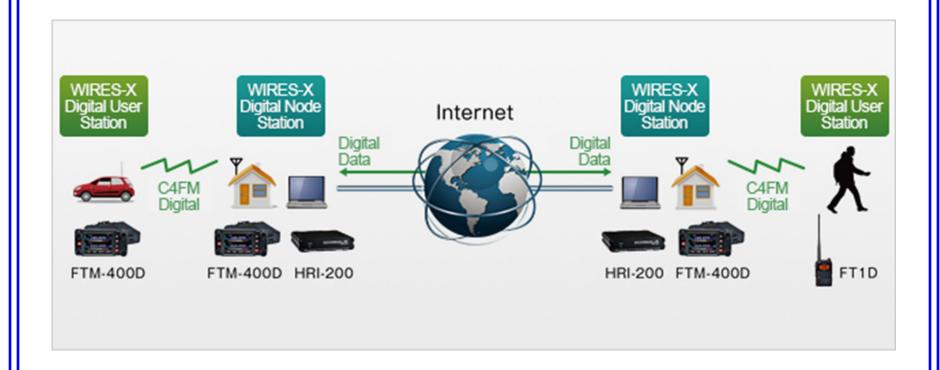
What is Wires X?



WIRES (Wide-coverage Internet Repeater Enhancement System) is an Internet communication system which expands the range of amateur radio communication. For WIRES-X, an amateur node station connecting to the Internet is used as the access point and connects the wireless communication to the Internet. Users' stations can communicate with other amateur stations all over the world using a node within the radio wave range.

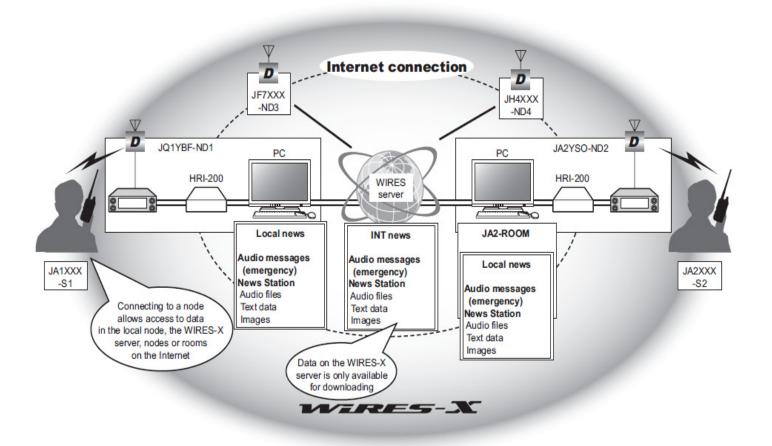


Wires X Concept



Similar concept as Echo Link, IRLP, others Radio Over / With IP No Need for DTMF Codes (Smart Access)

Wires X News Rooms



News Rooms

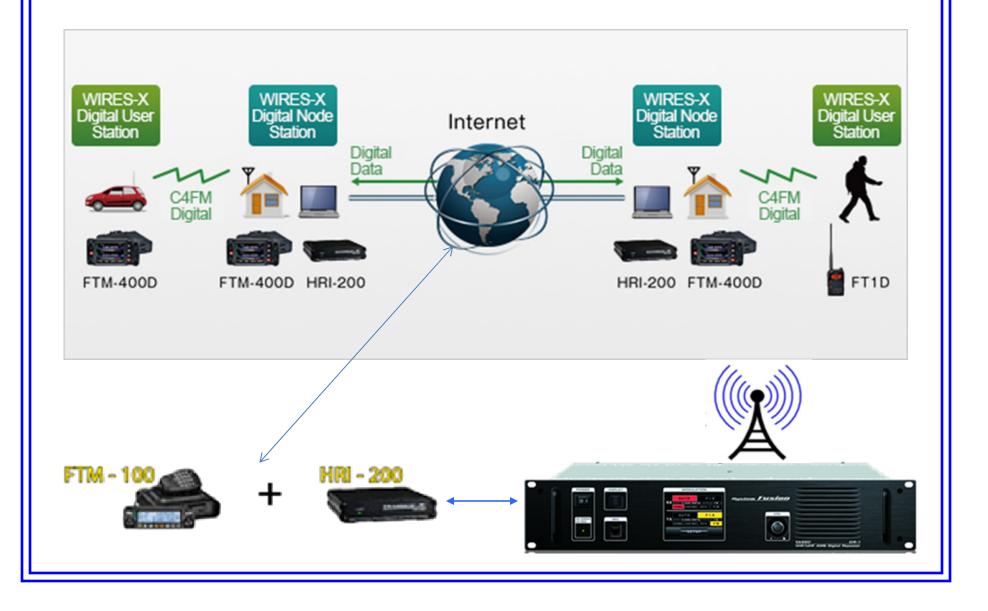






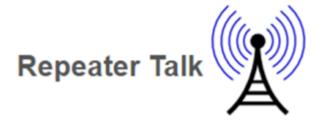


Current Wires X Deployment Option



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Thanks for Your Attention - 73

