YAESU
The radio

Meet the Next Generation of WIRES
The Leader in VoIP Communication for Amateur Radio

WIRES-II, the Amateur Radio internet communications network takes another leap forward with WIRES-X and support for the new C4FM Digital radio communications mode.

Enjoy many new and exciting features, including superior audio quality, intuitive user IDs, and advanced operating convenience, thanks to digital technology.

Have fun and do more, with greater ease!

WIRES-X is the network linking system Amateur Radio Operators have been waiting for.

WiRES-X

WIRES-X Network Concept

DIGITAL USER STATION	DIGITAL NODE STATION	Internet	DIGITAL NODE STATION	DIGITAL USER STATION

C4FM DIGITAL — DIGITAL DATA — DIGITAL DATA — C4FM DIGITAL

ANALOG VOICE DATA

ANALOG VOICE DATA

ANALOG NODE STATION	ANALOG USER STATION

ANALOG FM

C4FM
DIGITAL CLEAR VOICE
Clear and Crisp Voice Technology
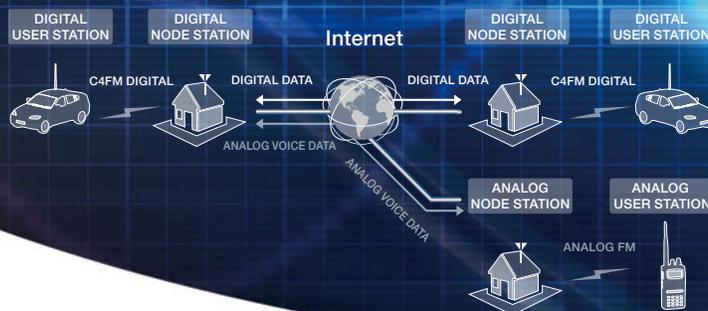
WIRES-X Features

Smart Access

WIRES-X automatically connects to nodes and rooms via the Internet. No more need to verify connection IDs or transmit cumbersome DTMF connection codes.

Information about nodes and rooms is exchanged via C4FM Digital signaling. Thanks to automatic reconnection to the previous contact, all you need to do is press PTT and start talking.

Easily search for new nodes and rooms, and initiate communication promptly when you find an ID that captures your interest.

Activity Monitor

Currently active nodes and rooms can be searched in real time, and viewed on the display of your transceiver. The display list is sorted according to the number of stations currently connected to the room, in other words by popularity. This lets you quickly find other active stations to communicate with.

Node owners can freely create a room ID using letters and numbers. The ID works a bit like the name of a person. Easy to understand, meaningful names, unique names, memorable names... all are possible and can be used in a targeted search. A history of previous nodes and rooms, and a memory function with five categories makes it a snap to find and connect with a particular ID.

News Station

News bulletins (messages, images, voice memos) can be freely uploaded to nodes and rooms. Other users can download the saved news information. For example, sharing traffic information or other local news, or sending a snapshot of a meeting place to fellow operators, as well as a myriad of other uses are possible. It does not matter whether someone is nearby or in a country far away. WIRES-X offers a way to overcome barriers of distance, time, or even language. Welcome to a world of previously unheard-of possibilities for connecting and communicating by way of Amateur Radio and the internet.

Preset Search

Search and connect to local node stations with a simple button touch. The system will automatically obtain node station information and setup the required frequency and digital code parameters. Wherever there is a WIRES-X local node station that is reachable by Amateur radio, complicated connection operation steps are no longer necessary.

Node station ID, city name, as well as distance and bearing are indicated on the display of the transceiver, and can be checked at a glance. *

Now you can communicate worldwide with ease and confidence.

(* Only if published by the node station)

Other notable features

Digital/Analog mutual communication

WIRES-X of course also supports traditional analog FM users. Not only can analog FM stations have a QSO with each other, WIRES-X also permits C4FM Digital stations to communicate with analog FM stations. WIRES-X is an FM friendly digital solution, because Amateur Radio should always allow operators to communicate freely all over the globe.

Easy Setup

Establishing the connection between the HRI-200 and a computer is quick and simple, requiring only a single USB cable. Support for USB bus power means that an additional external power supply is not needed. Opening ports in the router also can be done with a simple setting in the WIRES-X software, using the UPnP function. (May not be supported by some routers.) Working your way through complicated router settings is a thing of the past.

BLACK

SILVER *

Equipped with advanced touch panel operation and full-color TFT large-scale display

C4FM/FM 144/430 MHz DUAL BAND 50W DIGITAL TRANSCEIVER

FTM-400DR   FTM-400DE
American and Asian versions   **European version**

(DTMF Microphone MH-48A6JA, Mounting Bracket, Bracket for Controller, Control Cable 10 ft (3m), PC connection Cable SCU-20, Stereo Monaural Plug and DC Power Cable included)

C4FM Digital / FM
Exciting Amateur Digital Transceiver

C4FM/FM 144/430 MHz DUAL BAND 5W DIGITAL TRANSCEIVER

FT1DR Heavy Duty Package   FT1DE Heavy Duty Package
American and Asian versions   **European version**

(7.4V 1800 mAh Lithium Ion Battery FNB-102LI, Battery charger PA-48 / SAD-11B(USA version), and PC connection Cable included)

* SILVER : USA version only

Convenient and easy-to-use digital function, advanced VoIP wireless WIRES-X

WIRES-X

AMATEUR RADIO INTERNET LINKING KIT

HRI-200

Supplied Accessories : USB Cable, Data Cable CT-174 (MDIN10 pin to MDIN10 pin)
Data Cable CT-175 (MDIN10 pin to MDIN6 pin)

Specifications		
	Supply Voltage	: USB Bus Powered, DC +5.0 V ± 5 %, Negative Ground)
	Current Consumption	: 130 mA ± 30 mA TYP
	Operating Temperature	: 32 °F to 122°F (0 ℃ to + 50 ℃)
	Case Size (WxHxD)	: 4.4" x 1.0" x 5.2" (w/o knob & connector)
	Weight (Approx.)	: 11.9 oz (340 g)

Connectors		
	Mini DIN 10pin (RADIO 1, RADIO 2)	: PTT OUT,SQL IN DC +3.3 V Negative Ground
		Audio Input 100 mVrms @10 kohm (RADIO 1)
		Audio Output 100 mVrms @600 ohm (RADIO 1)
		Serial I/O RS-232C
	3.5φ Audio OUT (MONITOR)	: 100 mVrms @600 ohm
	USB B Type	: USB 2.0 (Full-speed)

Rear Panel

WIRES-X Web Site:
https://www.yaesu.com/jp/en/wires-x/index.php

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VEGETABLE OIL INK