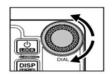# Connecting W6PW to a distant WiresX node

Please feel free to connect our repeater to a distant WiresX room but remember it is your responsibility to disconnect it afterwards. Here are the instructions of how to do it based on your radio:

Left column — FTM-400

■ Connecting to a local node

1 Turn ⊙ to match the frequency of the local node that you wish to connect with on Band A.

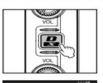> **Tip** Press ▣ and touch [▦] in the function menu displayed to designate the frequency by the number.

FTM-400

Connecting to a Faraway Station Using WIRES-X

2 Press and hold ▣ for 1 second or more
The WIRES icon will appear on the left side of the frequency indication and "**X**" will flash.

When a local node is found, "**X**" will be lit solid, and the node name and city name will appear on the bottom part of the screen.

> **Tip** While the [**X**] is flashing, press the ▣ to re-establish connection to the local node.

> **Tip** When a local node cannot be found, the "**X**" will disappear in 20 seconds.

> **Tip** When the detected local node is a repeater station, "[R]" will appear on the top part of the WIRES icon.

Caution
WIRES-X can be used only for the band A.
When using the band B (shown on the bottom part of the screen) as the operation band, press and hold ▣ for 1 second or more. The band A (shown on the top part of the screen) will be the operation band.

Right column — FT1(X)DR

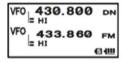**Connecting to a Faraway Station Using WIRES-X**
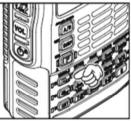
Connecting in digital mode

Caution
Before using WIRES-X, press [WIRES-X/Dx] to set the communication mode of band A (shown on the top part of the screen) to any mode other than [FM]. For details, refer to "Selecting Communication Mode" in the basic operating manual.

■ Connecting to a local node

1 Rotate ⊞ to set band A to the frequency of the desired local node

> **Tip** You can directly enter the frequency using the numerical keypad. After entering, press [ENT].

2 Press and hold [WIRES-X/Dx] for 1 second or more
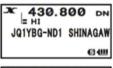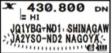[**X**] will flash on the left side of the frequency indication.

FT1(X)DR

When a local node is found, [**X**] will be lit solid, and the node name and city name will appear on the bottom part of the screen.

> **Tip** Depending on the connection status, the screen will show one of four display patterns.

(1) Connected to the local node, but unable to connect to Internet nodes or rooms (never before established connection to Internet nodes or rooms)

(2) Connected to the local node, but unable to connect to Internet nodes or rooms (previously succeeded in establishing connection to Internet nodes or rooms)

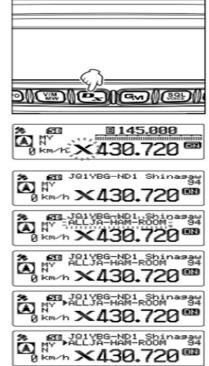## ▌Connecting to the other node ID or the other room ID

1 Rotate the DIAL to set the operating band to the frequency of the desired local node.

2 Set the WIRES-X DG-ID to the same ID number as the node station. Refer to "The DG-ID feature to access the WIRES-X node station" (page 33).

3 Press and hold [DX] for over one second.

[X] flashes on the left side of the frequency display. When a local node is found, [X] is lit solid, and the node name and city name appear on the upper part of the screen.

> **Tip** Depending on the connection status, the screen will show one of four display patterns.

FTM-100

(1) Connected to the local node, but unable to connect to Internet nodes or rooms (never before established connection to Internet nodes or rooms)

(2) Connected to the local node, but unable to connect to Internet nodes or rooms (previously succeeded in establishing connection to Internet nodes or rooms)

(3) Connected to the local node, successfully connected to an Internet node or room (the Internet node or room is the same as the one used before)

(4) Connected to the local node, successfully connected to an Internet node or room (the Internet node or room is different from the one used before)

When ▶ is displayed, rotate the DIAL. Call signs of nodes and rooms on the Internet you previously connected to flash.

> **Tip** While [X] is flashing, briefly press the [DX] key to re-establish connection to the local node.
>
> **Tip** When any local node cannot be found, [X] will disappear in five minutes.
>
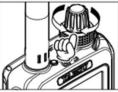> **Tip** When the detected local node is a repeater station, [[R]] appears below [X].

Caution

WIRES-X can only be used on the operating band.

Connecting to local nodes

1 Rotate the DIAL to set the A-band to the frequency of the desired local node.

> **Tip** You can directly enter the frequency using the numerical keypad by touching the A-band display.

FT2DR

2 Press the [X] key.

[**X**] flashes on the left side of the frequency display.

When a local node is found, [**X**] is lit solid, and the node name and city name appear on the bottom part of the screen.

> **Tip** Depending on the connection status, the screen will show one of four display patterns.

CONNECTING TO A NODE OR ROOM ON THE INTERNET IN DIGITAL MODE

NOTE:

* Ascertain the DSQ code or the DG-ID setting of the WIRES-X node station. Connecting to the WIRES-X node requires the transceiver DG-ID be set according to the DSQ code or the DG-ID code set on the WIRES-X node station.
* Before using WIRES-X, set the communication mode (modulation mode) to C4FM.

Connecting to a WIRES-X node in the C4FM mode (*Recommended)

1. Set the communication mode to C4FM.
   After pressing the **MODE** button, touch "**C4FM**".
2. Set the transmit/receive DG-ID to the same ID number as the node station. For details, refer to the FT-991A Operating Manual.
3. Tune to the frequency of the local node you want to connect to.
4. Transmit corresponding to the transmit/receive frequency.
   * If receiving the signal from the node, transmit it as is.
   * If not receiving the signal from the node, it is possible that the node station is not connected to the Internet ➡ proceed to step "Connecting to the other node ID or the other room ID".

MODE button

Connecting to the other node ID or the other room ID

1. Press the **MENU(SETUP)** button.
2. Rotate the **MULTI** knob to select "153 WIRES DG-ID".
3. Touch **[SELECT]** on the screen.
4. Rotate the **MULTI** knob to set the WIRES-X DG-ID to the same ID number as the node station.
   01 - 99: Only nodes matching the set DG-ID number may be connected.
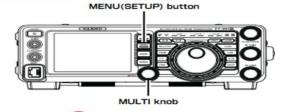   AUTO: Only open nodes, set to the DG-ID number "00" may be connected.

   Default setting: AUTO

5. Touch **[ENTER]** on the screen.
6. Touch **[BACK]**.
   Returns to the original screen.
7. Press the **F(M-LIST)** button.
8. Touch **[⚡]**.
   The transceiver automatically switches to transmit mode and "**✕**" of the "**⚡**" icon flashes.
   When a local node is found, "**✕**" is lit solid, and the node name (call sign) and city name appear.

MENU(SETUP) button

MULTI knob

FT-991

TIPS:

* While "**✕**" is flashing, briefly press **[⚡]** to re-establish connection to the local node.
* While "**✕**" is flashing, press and hold **[⚡]** for over one second to cancel the connection operation.
* When a local node cannot be found, "**⚡**" will disappear in 20 seconds.
* When the local node found is a repeater station, "**⚡**" appears on the right side of "*[R]*".