

How to setup an ERX with Nomad

Zaxnet has been heavily integrated into Nomad and offers many powerful options. You can send and receive audio, timecode, and transport commands, and control transmitter gain and frequency over Zaxnet.

The most common usage of an ERX with Nomad is for the ERX to receive audio and/or timecode for use as a personal IFB receiver or to feed a camera both a scratch audio track and jam timecode. This is the configuration I will explain.

Two important notices:

1. These instructions apply to both the original ERX and the current ERX2. Use of the term ERX here refers to both models.
2. An ERX TCD (time code delay) is required to have time code and delay capabilities. There is no difference either physically or in the software between the two models. The only indication whether a unit is a TCD model is on the serial number sticker.

Settings on Nomad

Navigate to MAIN MENU -> ZAXNET SETUP

INPUT CONFIGURATION = 8 or higher

IFB MODE = TX or RX/TX

TX CHANNEL = select a frequency and remember it

GROUP CODE = select a number and remember it

Press on the headphone knob to return to a home screen, exiting the MAIN MENU.

Press the BUS button above fader 4 (4/D).

Navigate to TAPE/IFB OUT. This screen is where you select the audio source(s) that will be transmitted over Zaxnet.

Settings on ERX

Enter the EXTENDED MENU by holding down the menu button and turning on the power. You can release the button once you see text. Push menu until you see **FREQ: 2.4XX RX**. Press the INC and DEC arrows to enter the TX CHANNEL from Nomad here. Push menu until you see **REMOTE CONTROL GROUP ID=X**. Press the INC and DEC arrows to enter the GROUP CODE from Nomad here.

This is all you need to do to send audio and timecode from Nomad to your ERX. The ERX TCD can provide timecode on one or both contacts of its headphone output. You should study the [ERX manual](#) to understand how to set it up to interface with camera. A custom output cable will be required and is available through your Dealer.

If you have more than one Zaxnet transmitter, such as an IFB100 or QRX, you can receive a secondary Zaxnet signal and monitor two different audio sources on your ERX.

To receive a secondary Zaxnet signal on an ERX

Enter the EXTENDED MENU by holding down the menu button and turning on the power. You can release the button once you see text. Press MENU until you see **ALTERNATE IFB FREQ**. Press the INC and DEC arrows to enter the TX FREQUENCY of the secondary Zaxnet transmitter here. Exit the EXTENDED MENU by holding MENU to return to the beginning of the menu and then press the INC up arrow. To change to the first/priority Zaxnet frequency hold MENU and press DEC down arrow. To change to the alternate Zaxnet frequency, hold MENU and press the INC up arrow.

What's the difference between an ERX and an ERX2? The original ERX had some issues with rechargeable AA NiMH batteries. In an effort to store as much energy as possible, AA NiMH manufacturers slightly increase the size of the battery. Also, the positive nub of the battery is shortened to allow for a longer battery cylinder. This resulted in the ERX battery door remaining slightly ajar and/or the battery would not always touch the ERX battery contacts. The volume knob of the ERX was fully exposed and prone to breakage. The ERX2 allowed for more space in the battery compartment and greater connection with the contacts and added a plastic cover around the base of the volume knob.

[New Multiple Alternate Frequency setting in ERX version 1.20](#)

If you have an Alternate Frequency set up in the extended menu, the unit now goes to a new menu when you press MENU in the home screen. Here you can choose what frequency you are listening to. If your BASE frequency is 2404 and your ALT frequency is set to 2460 you can cycle thru these frequencies:

00: 2404 (base frequency)

01: 2460 (alt frequency)

02: 2462 (alt frequency+2)

03: 2464 (alt frequency+4)

There is a large two digit number displayed so you can easily identify the units you are listening to. So a typical setup would be a Nomad transmitting normal audio on the BASE frequency ("00"), and 4 ZFR-200's transmitting on unique alternate frequencies with unit codes 01 thru 04. This way you don't have to remember frequencies but rather use the unit codes to remember which ZFR you are listening to. This would be used to temporarily listen to each ZFR to make sure the audio being recorded sounds good. If not you can use the appropriate knob on the Nomad or Mix8 to adjust the ZFR's audio gain.

When you are in the ERX's Home screen you can still press the Up and Down keys to toggle between (only) 2 frequencies: The base frequency and the currently selected Alternate frequency which was recently chosen in the menu described above. When the ERX boots up, pressing the Up or DOWN key will always choose between the Base frequency and the first Alternate frequency (AltFrequency+0) (assuming you have the Alt Frequency setup in the extended menu).

It's a lot easier to understand once you have an ERX in front of you and can see it working.