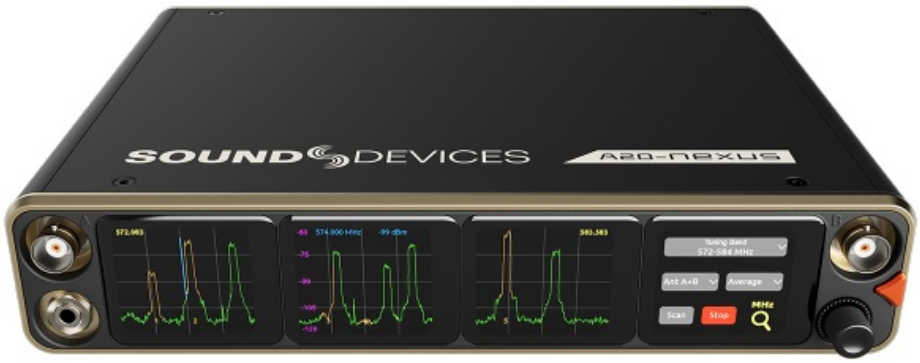
Contents [hide]

SOUND DEVICES A20-Nexus, Nexus Go True-Diversity Receiver



Specifications

- Model: A20-Nexus/Nexus Go
- Type: True-Diversity Receiver
- Technology: SpectraBand
- Quick Start Guide Version: 2.00

Product Usage Instructions

Setting Up the System

1. Press the triangle button to display the Main Menu.
2. Tap the System icon to enter the System menu.
3. Ensure the Country setting is correct for your location.
4. Select Audio Out from the Main Menu and configure audio output routing options.
5. Access the RF menu by tapping the RF icon in screen 2 and select Front or Rear antennas.
6. If bias power is required for antennas, enable bias power in the Antenna Settings by setting Power to On for both A and B antennas.

Pairing Transmitter

1. Ensure the A20 transmitter has a charged battery and connect it to the A20-Nexus USB-A port using a USB-C cable.
2. The transmitter will appear in the TX List after a few seconds.
3. The A20-Nexus will establish a NexLink connection with the transmitter on the next available receiver channel.

Configuring Receiver and Transmitter

1. In the TX List, highlight a receiver channel and jump to its 1RX View to configure and monitor the receiver and its transmitter.
2. Ensure good signal strength for NexLink by checking the NexLink RSSI indicator in the 1RX View.
3. If the transmitter is off, turn it on using the Power ON button in screen 3 of the 1RX View.

Accessing Additional Features

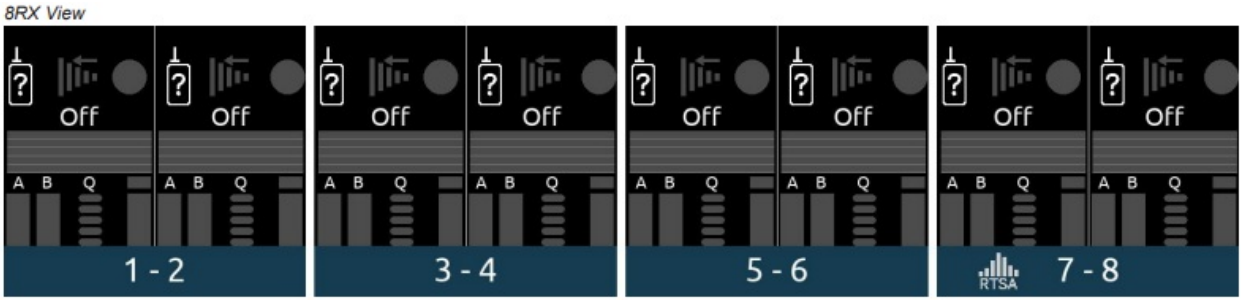
1. Access the Main Menu and tap the RTSA icon for additional features.

A20-Nexus/NexusGO Quick Start Guide

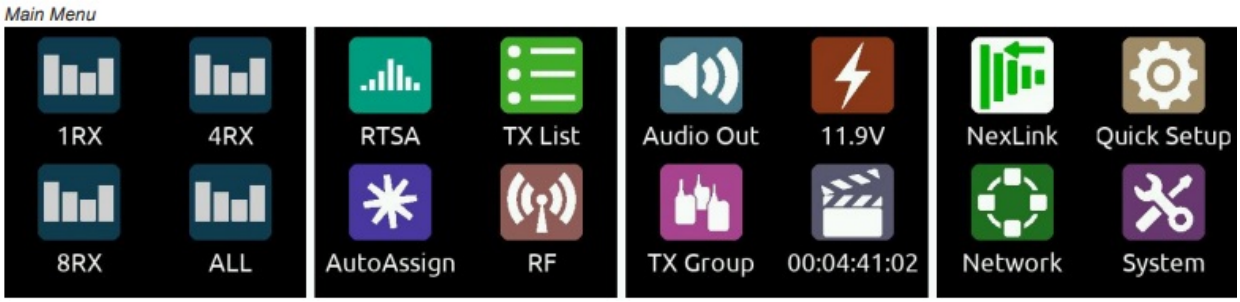
This Quick Start guide assumes that the A20-Nexus is being used as a standalone

receiver.

1. Connect a 10-18V DC power source to either or both TA4-M DC inputs. Alternatively, connect PoE+ to Ethernet port 1.
2. Connect suitable passive, bias-powered, or smart antennas to either the front or rear BNC A and B antenna ports.
3. If using NexLink to control and monitor A20 transmitters, connect 2.4 GHz antennas to both rear panel 2.4 GHz SMA ports.
4. Connect required rear panel audio outputs (Analog, AES, and/or Dante) from Nexus to external devices.
5. Connect headphones to the front panel 3.5 mm headphone output.
6. Power Up. Press the front panel triangle button to power up. Press and hold to power down. When powered up for the very first time, receiver channels 1-8 are displayed. This view is called the 8RX View. All RX channels default to Off.



7. Press the triangle button to display the Main Menu.
8. Tap the System icon to enter the System menu.
9. Ensure Country is set to the country that you are in. The Country setting determines which Tuning Bands and RF frequencies are legally unrestricted and available for selection in the A20-Nexus. If using A20 transmitters, make sure that the A20-Remote app they are paired to is also set to the same country.



10. Front the Main Menu, select Audio Out.
11. From the Audio Output menu, select the audio output routing options.

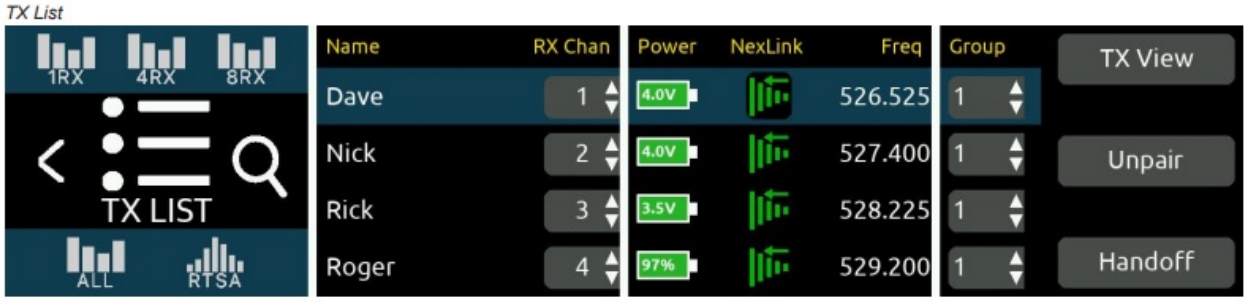
12. Use the triangle button to return to the Main menu.
13. Tap the RF icon in screen 2 to access the RF menu.
14. Select Front or Rear antennas by tapping the button at the bottom of screen 2. When ‘Rear’ is displayed, the rear antennas are selected. When ‘Front’ is displayed, the front antennas are selected.

15. If the antennas require bias-power, tap the A and B antenna gear icons to display A and B antenna settings respectively and set both their Power (Bias) settings to On. **Antenna Settings** The antenna icons will show a lightning bolt icon next to them when bias power is enabled.

16. Pair and NexLink A20 transmitters. Pairing is a process that adds A20 transmitters to the A20-Nexus TX List. The TX List is an inventory of available transmitters that can be selected for wireless remote-control (via NexLink) and assigned to receiver channels.
    - **Note:** A10-TX transmitters cannot be paired or NexLinked with the A20-Nexus. To tune to an A10-TX, manually set the RF freq, Modulation & Privacy of the Nexus receive channel to the same as the A10-TX.
    - From the Main Menu, tap the TX List icon.

To pair an A20 transmitter, ensure it has a charged battery or batteries installed, then connect its USB-C port to the A20-Nexus USB-A port. The A20 transmitter will appear in the TX List after a few seconds. The A20-Nexus will then

automatically establish a NexLink connection between the transmitter and the next available receiver channel. This can take up to a minute or so. Once connection is established, the NexLink RSSI icon is displayed in the TX List > NexLink column.



17. From the TX List, rotate the front panel knob to highlight a receiver channel, then press the knob to jump to its 1RX View from which the receiver and its NexLinked transmitter can be configured and monitored.

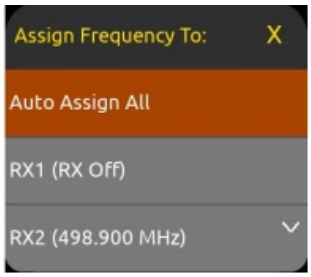
18. In the 1RX View, ensure the transmitter is within NexLink range by checking that the NexLink RSSI indicator in the leftmost screen shows good signal strength.

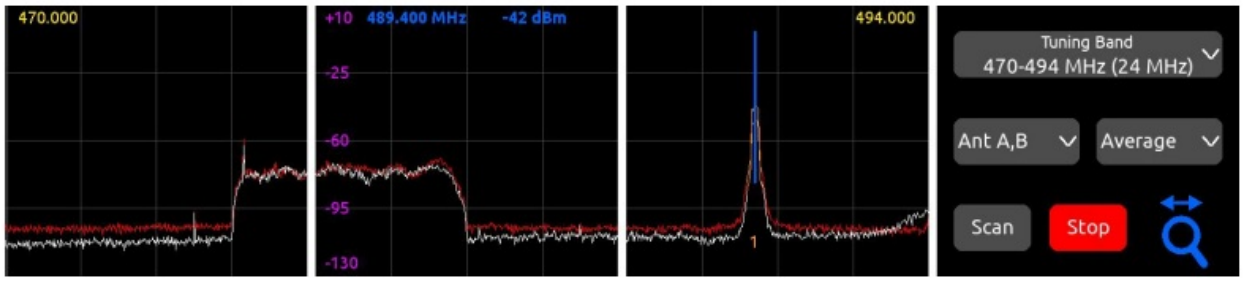
19. If the A20 transmitter is not already on, tap the Power ON button in screen 3 of the 1RX View.

20. Press the triangle button to access the Main Menu, then tap the RTSA icon.

21. In the RTSA, rotate the Control knob (or tap the top half of the plot) to move the blue vertical frequency marker to a clean frequency (i.e. where there is low background RF noise). Press the Control knob to display the ‘Assign Frequency To:’ list then tap RX1 to assign the clean frequency to the required receiver channel (in this example, channel 2). The frequency is automatically pushed to the transmitter and its RF signal

appears in the trace. Alternatively, select ‘Auto Assign All’ at the top of the list to automatically deploy clean frequencies to all active channels.





Tip: Before assigning frequencies, it is highly recommended to perform a scan of the local RF environment using Scan Mode to identify and choose a clear Filter Range to apply to the Tuning Band. See RTSA > Scan Mode for further information.

22. Tap the orange number below the transmitter signal to jump to the 1RX View for that channel number, tap the Gain button and rotate the Control knob to bring up the gain until you see audio signal from the lav connected to the A20. Press the Control knob to store the gain value.
23. Put your headphones on and listen. Rotate the Control knob clockwise to increase the HP gain.

    Congratulations! You have your first wireless channel ready to go.

FAQS

Q: How do I know if bias power is enabled for the antennas?

A: The antenna icons will display a lightning bolt icon next to them when bias power is enabled.

Q: How long does it take to establish a NexLink connection between the transmitter and receiver?

A: The NexLink connection can take up to a minute or so to be established.

Documents / Resources

	SOUND DEVICES A20-Nexus, Nexus Go True-Diversity Receiver [pdf] User Guide A20-Nexus, A20-Nexus Nexus Go True-Diversity Receiver, A20-Nexus Nexus Go, True-Diversity Receiver, Receiver

References

- User Manual

SOUND DEVICES

A20-Nexus, A20-Nexus Nexus Go, A20-Nexus Nexus Go True-Diversity Receiver, Receiver, SOUND DEVICES, True Diversity Receiver

—Previous Post
SOUND DEVICES CL-16 Linear Fader Control for Mixer Recorders User Guide

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

Save my name, email, and website in this browser for the next time I comment.

Post Comment