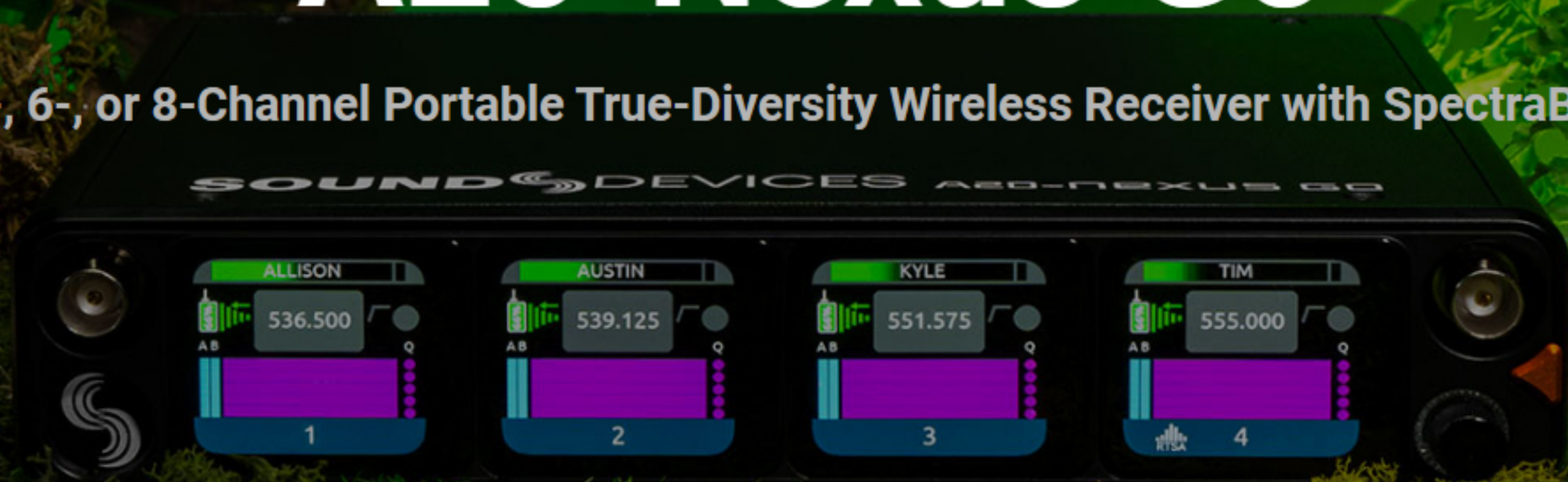


A20-Nexus Go

4-, 6-, or 8-Channel Portable True-Diversity Wireless Receiver with SpectraBand.



Specifications

Patents: The A20-Nexus Go is protected by US patents US10678294B2, US20190166523A1, International patent WO2018022209A1, and several patents pending.

RF

- **Tuning**
 - 169 to 1525 MHz (1356 MHz switching bandwidth)
 - 25 kHz steps
 - SpectraBand Technology for maximum rejection of out-of-band signals
 - Available frequencies depend on country of operation
- **Modulation**
 - Proprietary, 100% digital RF modulation
 - Standard or Long Range, selectable per channel
- **Spurious Rejection**
 - >100 dB typical
- **Cascade output**
 - 50 ohm
 - 3.5 dB Insertion Loss from front BNC through rear BNC: It is recommended to use an external powered antenna to overcome the 3 dB splitting loss in the Nexus so that the receivers maintain excellent range.
 - Wideband power split, pre-LNA
- **RF Bias output**
 - 12V, 200 mA each BNC
 - Smart antenna support, Wisycorn-compatible

Audio

- **Latency**
 - Standard modulation = 2 ms, analog or digital outputs
 - Long Range modulation = 3.9 ms, analog or digital outputs
- **Audio Frequency Response**
 - 10 Hz–20 kHz, +/- 1 dB relative to 1 kHz
- **Dynamic Range**
 - > 130 dB with an A20 transmitter
- **Output Level**
 - Line-level: +20 dBu for 0 dBFS
 - Mic-level: -20 dBu for 0 dBFS
- **Audio Output Sample Rate**
 - 44.1, 48, or 96 kHz
- **Digital Audio Output**
 - AES3 balanced connection, 110 ohm output impedance

Powering

- **Sources**
 - TA4 DC Input
 - 8-Series (through unit-to-unit connector when docked)
 - AC mains adapter (sold separately)
- **Levels**
 - DC input, 10 to 18V in, 2A minimum at 10 VDC
 - 10W idle, default configuration
 - Extra power passed through for USB power, active antenna power, and DC output power
 - USB-A: 5V, 500 mA output; supports keyboards, thumb drives, A20 transmitters, and USB hubs
 - DC Outs: max 500 mA between both outputs.

Environmental

- **Operating Temperature Range**
 - -10 °C to +55 °C
- **Dimensions (H x W x D)**
 - 4.0 cm x 20.3 cm x 16.7 cm
 - (1.6 in x 8.0 in x 6.6 in)
- **Weight**
 - 1.22 kg (unpackaged)
 - 2.7 lbs (unpackaged)