

A20-Mini

Digital Wireless Transmitter with GainForward and SpectraBand Technologies



Specifications

Frequency Range

- 470 to 1525 MHz (SpectraBand)
- Transmitters are tunable in 25 kHz steps
- Available frequencies are dependent on region

RF Output Power

- Off, Low – 2 mW, Normal – 10 mW, High – 20 mW, Max – 40 mW, selectable

Modulation Mode

- Proprietary digital RF modulation, Standard or Long Range, selectable

Antennas

- UHF RF: SMA connector, removable
- 2.4 GHz built-in

Audio Frequency Response

- 10 Hz – 20 kHz, +/- 1 dB re 1 kHz

Audio Input Type

- Lavalier Microphone via 3-pin LEMO
- Pin-1 ground
- Pin-2 5 V bias
- Pin-3 audio/bias (8k ohm to 5 V)

Bias Power

- 5 V

Input Impedance

- 8k ohms

Input Clipping Level

- +5 dBu

Dynamic range

- 130 dB min (A-weighted)

Menu and Controls

- Power & Pair button protected inside battery compartment
- A20-Remote, mobile device application of iOS, iPad, and Android

Remote Control

- A20-Remote Android, iOS, and iPad app via Bluetooth 5.2 LE

Recording Media

- Internal 64 GB
- 10% over-provisioned for optimum performance

Recording File Format

- 32-bit Float, 48 kHz, Monophonic
- Broadcast WAV (<4 GB), RF64 WAV (>4 GB)

Simultaneous Record and Transmit mode is not available on A20-Mini units sold or operated in the United States of America.

Timecode (LTC)

- Input via XL-TC-USBC-LEMO or XL-TC-USBC-BNC: 0.3 V – 3 V p-p (–17 dBu to +3 dBu), 20k ohm impedance
- Output via XL-TC-USBC-LEMO: 3 V p-p, 400 ohm impedance

Timecode Clock

- 0.2 ppm accuracy
- Holds accurate clock for four hours while powered down with batteries inserted, holds for one hour without batteries via internal supercap
- Auto Jams timecode from LTC source via USB-C connector, or from optional PowerStation-8M

Timecode Frame Rates

- 23.98, 24, 25, 29.97 DF, 29.97 ND, 30 DF, 30 ND
- Frame rates are auto-detected from incoming source

USB-C

- Mass Storage (USB-C): USB 2.0 high speed for file transfer
- Powers A20-Mini

Powering

- 3x AAA batteries (Energizer Ultimate AAA Lithium primary batteries recommended), or Sony NP-BX1 rechargeable Li-Ion
- Built-in Li-Ion charger via USB-C (7.5 W or more needed)
- Sony NP-BX1 is rechargeable via optional PowerStation-8M.

Environmental

- Water Resistant
- Operating: -20° C to 38° C, 0 to 90% relative humidity (non-condensing)
- Storage: -40° C to 85° C

Dimensions (H x W x D)

- 75.8 mm x 48 mm x 19 mm
- 2.98 in x 1.88 in x 0.74 in

Weight

- 51 g (without batteries)
- 1.8 oz (without batteries)