

## STRIDER RPU

# REMOTE PICK-UP UNIT/STUDIO-TRANSMITTER LINK

130-500MHz



## ► FULLY TRANSPARENT

- 10W output power, adjustable from 0W
- 50 channels per 5MHz band (130-500MHz)
- Dual cavity filter for increased selectivity and sensitivity
- Low harmonic distortion
- Standard stereo demodulator in the receiver unit
- Optional integrated stereo generator, 15kHz digital filter, and internal audio processor

Professionally transmitting events, parties, and many other applications is now possible thanks to Strider Link RPU by Sinteck Next, the only link system on the market featuring a built-in standard stereo demodulator and the option to transmit using an integrated stereo generator, 15 kHz digital filter, and dual-band audio processor, enabled through optional plug-in mini cards.

Strider Link RPU is a complete RF audio link system, ideal for broadcasters that need to transmit any type of event. The same equipment can also be used by AM and FM radio stations as a studio-transmitter link.

The modern, high-precision VCO incorporated into Strider RPU ensures exceptional audio quality, with very low distortion levels (< 0.2%), delivering greater presence and clarity in transmission. The system can be powered from 110/220 VAC mains or 12 V automotive batteries, providing maximum flexibility. It features balanced XLR inputs and outputs, two MPX inputs—one baseband and one SCA—making it ideal for connection to audio multiprocessors and RDS encoders (FM broadcast applications).

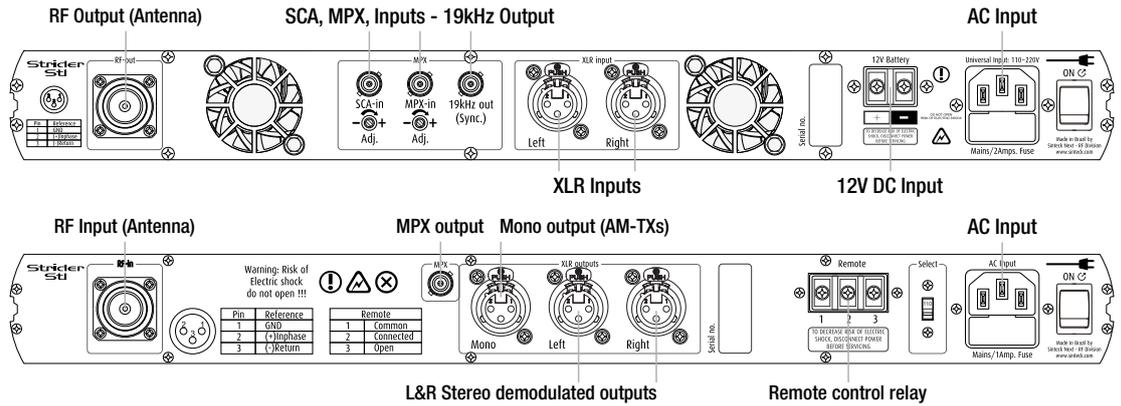
The receiver provides one MPX output, one balanced mono XLR output with 12 kHz digital filtering (ideal for connection to AM transmitters), and two balanced demodulated stereo XLR outputs.

The Strider Link RPU transmitter delivers 10 W of digitally adjustable output power, while the receiver incorporates dual cavity filters, offering superior selectivity and sensitivity, enabling reliable links where other systems cannot operate. Distances greater than 80 km can be easily achieved with this system (visual line required).

Capacitive Touch Keyboard



Graphic OLED Monitor



**TECHNICAL FEATURES STRIDER RPU 130-500MHz (TRANSMITTER):**

<b>GENERAL:</b>	Direct FM Sint. freq. from 130 to 500MHz, in sub-bands of 5MHz Channels: 100kHz, 50kHz, 25kHz or 10kHz (presetable) High-stability PLL with direct VCO operating at the fundamental frequency
<b>RF output power:</b>	8W, adjustable from 0W
<b>RF output connector:</b>	N female, other under request
<b>FM modulation at 100%:</b>	+/- 75kHz (180K F3E Mono operation) +/- 75kHz (256K F3E Stereo operation) +/- 40kHz (Mono USA) +/- 25kHz (Mono Brasil)
<b>Frequency stability:</b>	+/- 5ppm or better
<b>Harmonic attenuation:</b>	> 70dB
<b>Modulation capacity:</b>	Full support for Mono, Stereo, and SCA subcarriers
<b>AC mains:</b>	85~265V Universal full-range, 47-63Hz, 48W consumption
<b>DC:</b>	12V for mobile operation (min. level 10.8V - max. 14.0V)
<b>Dimensions:</b>	483mm wide, 44.45mm height (1RU), 150mm (5.90") depth 3.25kg transmitter/receiver, 6.50kg both
<b>Modulation inputs:</b>	Composite: 0dB nominal to +/- 75kHz carrier dev. @1kHz via MPX input Frequency range: 30~200kHz (BNC connector) Mono: 0dBm nom. to +/- 75kHz carrier dev. @1kHz (int. sel. to -10 or +6dBm) XLR connectors: electronic balanced 600 ohm Frequency range: 30Hz-20kHz XLR mono input: «LEFT» connector internal configurated to 50uS or 75uS preemphasis SCA input: 0dBm nom. to +/- 75kHz carrier deviation, frequency range 50~200kHz

<b>Audio processor card:</b>	Stereo active with «bass-bost» circuit 3dB @ 80Hz Dual-band stereo crossover 6dB «in-phase correction»: 1st filter: 30Hz to 200Hz 2nd filter: 200Hz to 15kHz Compressor/limiter direct attack/release times: 1st way: 10ms, 1s 2nd way: 4ms, 500ms Max. compression level 20:1dB
<b>Stereo generator card:</b>	Pre-emphasis selection via jumper: 50 µs or 75 µs Frequency range 20~15kHz (THD+N < 0.1%) plus digital 15kHz card installed Stereo separation better than 55dB @ 1kHz (tip. 60dB) Pilot freq. 19kHz +/- 1Hz stability (output fixed 1Vpp)

**STRIDER RECEIVER:**

<b>RF input connector:</b>	N female, other under request
<b>Sensitivity:</b>	Composite: 100µV or less required for 65dB SNR, Left and right channels with de-emphasis, demodulated.
<b>Mono:</b>	20uV or less required to 65dB SNR
<b>Selectivity in MPX mode:</b>	3dB IF bandwidth: +/- 125kHz 80dB IF bandwidth: +/- 1.2MHz
<b>Selectivity in Mono mode:</b>	3dB IF bandwidth: +/- 90kHz 80dB IF bandwidth: +/- 900kHz
<b>MPX output level (max):</b>	4Vpp @ 600 Ohms, adjustable, unbalanced Frequency range: 30Hz a 80kHz (BNC connector)
<b>Mono output level (max):</b>	0dBm @ 600 Ohms, balanced Frequency range: 30Hz a 12kHz (XLR connector)
<b>L/R output level (max):</b>	0dBm @ 600 Ohms, balanced Frequency range (Left or Right): 30Hz to 15kHz (2 Con. XLR being 1 channel left, 1 channel right) Stereo separation: 40dB or better
<b>Power consumption:</b>	15W max. 95~130V and 190~245V (AC main selectable via switch - rear panel) 50/60Hz
<b>Dimensions:</b>	483mm wide, 44.45mm height (1RU), 150mm (5.90") depth

Sintekc Next in more than 30 countries

