STRIDER IP

AUDIO LINK VIA INTERNET

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RADIO EXPERTS

RELIABLE

- Low latency
- 100% digital
- Superior quality compared to any analog link system.
- Free use, with no authorization required
- Antenna-free operation with global reach
- Easy and fast installation
- Analog and Digital Inputs and Outputs

We have developed a dedicated link system that uses a TCP/IP connection (Internet, Wi-Fi, or any computer network - LAN, MAN, or WAN) as the medium for audio signal transmission between the studio and the transmitter in a practical and extremely simple way. Installation is even easier than a conventional RF link system that relies on antennas. Strider IP requires only a TCP/IP connection between the transmitter and the receiver, and the link is immediately established.

Dedicated hardware, built with state-of-the-art components and processors, ensures exceptional robustness and reliability of the link. There is no operating system—this is not a computer disguised as equipment. It is a powerful and highly efficient device capable of transmitting radio or event audio with maximum quality and minimal latency, without using the electromagnetic spectrum to propagate its signals.

With this equipment, there are no limits and no distance restrictions. Wherever there is Internet access, the audio link is established.

The Strider IP Transmitter features two analog audio inputs with XLR connectors (left and right channels). Audio coming from the mixing console is digitally processed by a DSP, which maintains the signal at the proper level before feeding the digital converters and transmitting it via TCP/IP. The unit also provides optical digital and AES/EBU inputs.

The Strider IP Receiver offers two analog XLR outputs (left and right channels), as well as optical digital and AES/EBU outputs. Going even further, Strider IP can be equipped with optional multiplexed audio outputs, using internal cards that digitally generate stereo, process the audio in two paths, apply a 15 kHz audio filter, and also generate RDS data. Through a simple 50-ohm cable, the equipment can be connected directly to the FM transmitter.

A USB input allows the user to store recorded programming. In the event of a connection failure, the equipment will automatically play back the content stored on the USB flash drive.

Strider IP - a device with no competitors, no precedents, and no limits, offered at accessible costs for any type of radio station.

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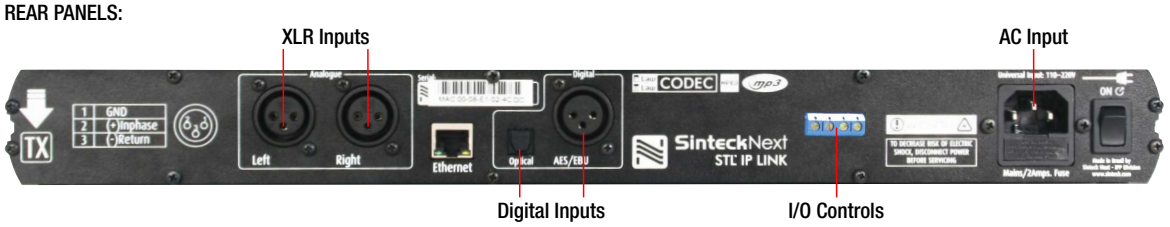
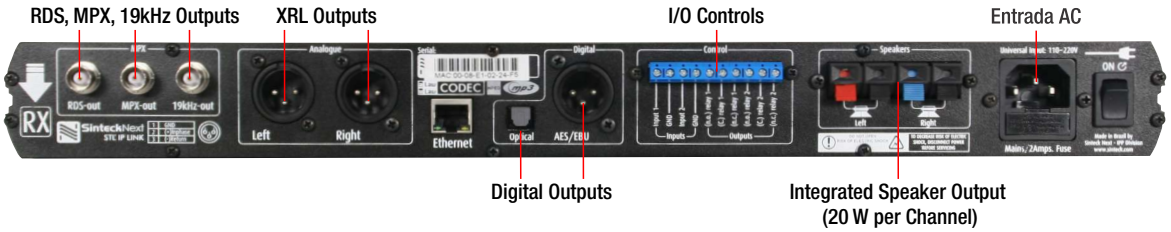
Capacitive Touch Keyboard

USB port (MP3 player)

Graphic OLED Monitor

REAR PANELS:





ANALOG INPUTS (STRIDER IP TRANSMITTER/ENCODER)	
Nominal input signal level:	0dB
Maximum input signal level:	+6dB
Connector type:	XLR balanced
A/D Conversion:	24 bits, 96kHz

DIGITAL INPUTS (STRIDER IP TRANSMITTER/ENCODER)	
Optical input:	TOSLINK
AES/EBU input:	XLR
Sampling Rate:	48kHz/96kHz

ANALOG OUTPUTS (STRIDER IP RECEIVER/DECODER)	
Nominal output signal level:	-10 to +10dB adjustable
Connector type:	XLR balanced
D/A Conversion:	24 bits, 96kHz

DIGITAL OUTPUTS (STRIDER IP RECEIVER/DECODER)	
Optical output:	TOSLINK
AES/EBU output:	XLR
Sampling Rate:	96kHz

OPTIONAL OUTPUTS (STRIDER IP RECEIVER/DECODER)	
MPX output:	10k Ohms, unbanlaced, BNC connector, with digital level control
Pilot tone (19kHz) output:	10k Ohms, unbanlaced, BNC connector, level fixed in 1Vpp
RDS output:	10k Ohms, unbanlaced, BNC connector, with digital level control

FRONT PANEL	
Keyboard:	Touch screen capacitive
Display:	Graphic OLED display, white color
Leds status:	Bar of 3 status leds (Power, Stream, Ready)

CODECS	
Audio codecs:	-MP3 (VBR variable bitrate @ 16kHz mono to 48kHz stereo -G.711 (uLaw/aLaw @ 8 or 24kHz mono) -PCM (16bit @ 8 or 24kHz mono to 44 or 48kHz stereo)
Compatible protocols:	TCP/IP, UDP, RTP, DHCP and SNMP
Bandwidth consumption:	From 64 kbps, depending on the codec configuration and audio quality

ELECTRICAL SPECIFICATIONS	
Nominal input AC voltage:	85~265V Universal full-range
12V DC input:	Not available in this version
AC surge protection:	285V varistors, gas dischargers, fuse
Consumption:	8W Encoder, 20W Decoder
AC input connector:	IEC

MECHANICAL SPECIFICATIONS	
Weight:	3.125kg each unit, 6.25kg total
Dimensions:	483mm W, 44.45mm (1RU) H, 205mm depth
Operating temperature:	0 to +40ºC
Storage temperature:	-10 to +70ºC
Relative humidity:	0 to 70% non-condensed

STEREO GENERATOR CARD (OPTIONAL - STRIDER IP RECEIVER/DECODER)	
Stereo separation:	Better than 55dB @ 1kHz
Pilot 19kHz tone:	19kHz +/- 2Hz
Low pass active filter:	15kHz

DUAL-BAND AUDIO PROCESSOR CARD (OPTIONAL - STRIDER IP RECEIVER/DECODER)	
2 isolated compressors:	1st: frequencies 20 to 150Hz
	2nd: frequencies 150Hz to 15kHz

REMOTE CONTROL INTERFACE	
Control interface:	I/O-type input and output terminals for sending and receiving remote control commands

Sinteck Next in more than 30 countries

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