



SIR SERIES IP-AUDIO RECEIVERS

Professional receivers for in-store music and internet radio

The SIR series professional receivers have specifically been designed to play in-store music and internet radio over data networks. The availability of broadband connections makes the Internet an ideal distribution method for audio. In more and more situations SIR receivers are replacing satellite receivers but also normal FM tuners.

Application areas include: shopping malls, retail shops, (company)restaurants, waiting rooms, factory shop floor, hospitals and many more.

The SIR series is a fully autonomous IP-audio receiver. The entry-level model; the SIR80, has all the basic features for standard MP3 streaming applications. The SIR120 is a truly hybrid receiver. Besides streaming it can also operate in store & forward mode using an SD card for local storage. This receiver supports MP3, WMA, AAC+ and OggVorbis streams. Both receivers can be installed in a 19" rack using an optional rack mount kit. The memory card is also used as fallback option in case of network failure.

Music Providers

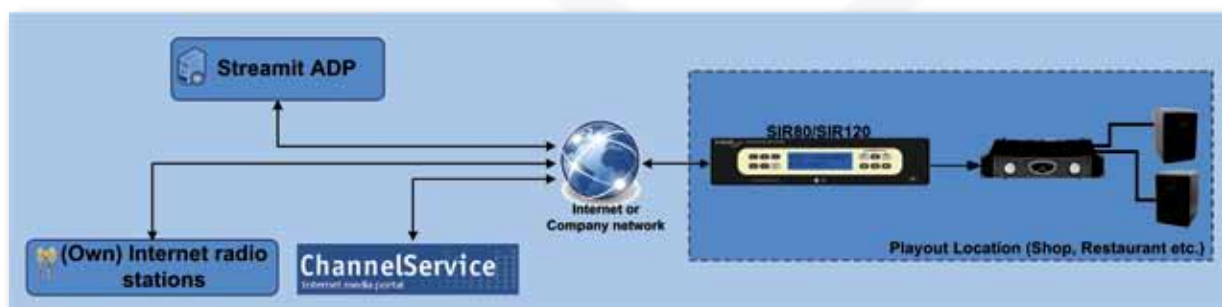
The SIR series is being used by many in-store music providers all over the world. They have discovered the SIR series to fulfill all of their wishes when it comes to reliability and ease of use. In combination with the Streamit Audio Distribution Platform software, music providers have found the most complete IP-based in-store music distribution environment available today.

The SIR series can be remotely configured, monitored and managed. The same is true for playlists, tracks and commercials, used in streams or locally on the optional memory card according to a customer-specific schedule.

Installers and system integrators

The SIR series is a great alternative for FM tuners. Every traditional radio station (and many more) are available on the internet nowadays. Adding one or more SIR receivers to the network will save the hassle of extra installation work on additional cabling and roof antennas. Through Streamit's ChannelService web service SIR series receivers can be controlled and maintained remotely.

- Fully configurable on customer's specification
- Uninterrupted audio due to advanced buffer management
- All-round encryption and security possibilities
- Auto re-connect after streaming or power interruptions
- Fallback to SD/SDHC memory card
- Remote monitoring and control
- Suitable for rack mounting



PRODUCT FEATURES *



MP3 is the most commonly used format for storing digital audio as well as for audio streaming.



WMA is the Microsoft format for digital audio. This format is used by many internet radio stations.



Ogg Vorbis is a free and open source audio format intended to serve as a replacement for MP3. For many applications, Ogg Vorbis has clear advantages over other audio formats, for example it produces smaller files at equivalent or higher quality when using bitrates ≥ 64 kbps.



AAC+ is a standardized audio format and designed for 16-48 kbps streaming audio applications. CD quality is achieved at 48 kbps.



SAF (Store And Forward) enables the SIR to update the audio content of the memory card from a remote server. When the Internet connection is lost, the SIR automatically falls back to playing from the memory card.



SMCP (Streamit Monitoring and Control Protocol) is used to monitor and control your SIR. The SIR sends status messages at user-defined intervals to a remote monitoring server; the remote server can send commands and settings to the SIR.



Encryption. The SIR supports both playback of encrypted files and encrypted streams.



Scheduler. Schedules can be sent to the SIR from a remote server, consisting of all kind of tasks to be executed at desired moments in time and daily intervals.



RSU (Remote Software Update). RSU enables the SIR to update its internal software from a remote server.

* available features depend on the SIR model

ABOUT STREAMIT

Streamit is a Dutch company specialized in the development and marketing of transmitter and receiver equipment for audio and video streaming over the Internet. The SIR internet radio is a typical example of the attention we pay to quality and reliability of our products, at the same time driving user friendliness. We develop our products for niche markets where quality and specific requirements cannot be met by standard consumer solutions. Our products and solutions are being used worldwide.

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TECHNICAL INFORMATION

ORDER INFORMATION

Type number Europe
Type number US / Canada

SIR80

SIR80 / EU
SIR80 / US

SIR120

SIR120 / EU
SIR120 / US

INCLUDED IN DELIVERY

SIR internetradio
Powersupply 12 Vdc with screw jack
Ethernet cable RJ45 3m
USB programming cable
Quick start guide

SIZE AND WEIGHTS

Sizes (b x d x h mm)	SIR80	SIR120
220 x 125 x 45	220 x 125 x 45	220 x 125 x 45
Size of packaging (b x d x h mm)	310 x 220 x 100	310 x 220 x 100
Weight (g)	750	750
Total weight in packaging (g)	1500	1500

SPECIFICATIONS

Stereo decoder

Samplefrequency (max. kHz)
Bitrate (stereo, max. kbps)
Ethernet controller
Amount of adjustable channels
Channel selections
LCD-display

LCD-display with backlight / color
Languages

Poweradapter SPS / EU

Poweradapter SPS / US

Power consumption
- standby (typical W)
- operation (typical W)

INPUTS

Ethernet 10 / 100 Base-T
Power in 12 Vdc
Service-connector in / out
MMC / SD / SDHC-card
Remote control

OUTPUTS

Stereo lineoutput / headphone
Balanced outputs

TEMPERATURE RANGE

Operation (°C)
Storage packed (°C)
Storage unpacked (°C)

RELATIVE HUMIDITY

Operation (%)
Storage packed (%)
Storage unpacked (%)

ACCESSORIES

19"-rack mounting kit

SERVICE COMPONENTS

Power adapter (Europe)
Power adapter (UK)
Power adapter (USA / Canada)

SIR80

MP3

48
224
10 Mbps
32
2 buttons
62 x 15 mm,
2 x 16 characters,
5 x 8 dots
yes / blue
English

230 VAC /
12 Vdc - 500 mA
110 VAC /
12 Vdc - 500 mA

2
3

RJ45
Screw-jack
USB-A
yes
yes

2 x RCA
no

+10 to +35
-25 to +50
0 to +45

15 to 85
5 to 95
15 to 85

MK

SPS / EU
SPS / UK
SPS / US

SIR120

MP3, WMA, AAC+
and Ogg Vorbis

48
224
10 Mbps
32
2 buttons
62 x 15 mm,
2 x 16 characters,
5 x 8 dots
yes / blue
Dutch / English
German

230 VAC /
12 Vdc - 500 mA
110 VAC /
12 Vdc - 500 mA

2
3

RJ45
Screw-jack
USB-A
yes
yes

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MK

SPS / EU
SPS / UK
SPS / US

