



## SIR SERIES INTERNETRADIO RECEIVER

### Professional receiver for audio over the internet

The SIR series professional IP-audio receivers were developed for several applications.

The receivers are targeted at professional applications, in which (background)music is delivered to (public) places such as shopping malls, retail shops, fitness centre's and other enterprises.

With the SIR internetradio receiver you can listen to any radiostation around the world or to the music service provider of your choice.

- fully configurable on customers specification
- advanced buffer management
- all-round encryption and security possibilities
- backup through MMC or SD memory card
- compatible with with Streamit Channelservice.fm
- remote monitoring and software maintenance
- suitable for rack mounting
- a build in unique ID code for authentication purposes
- auto-reconnect after streaming or power interruptions

# TECHNICAL INFORMATION

The SIR series is a fully autonomous working IP-audio receiver, able to tune in to radio stations and audio distributors anywhere on the internet. The basemodel is the SIR80 which has all the basic features for standard applications. The SIR100 and SIR120 come with a larger program memory and a real-time clock as additional features and are Windows Media Streaming compatible. The 120 models also support AAC+ and Ogg Vorbis streaming.

The SIR120PRO version also offers a balanced stereo line output (XLR). Any SIR can be configured into different operation modes, varying from plug&play until specific modes for special applications.

The customer-ID feature makes sure that the receiver access is restricted to a specific broadcaster, for example a music provider who rents the receiver to his customers.

The MMC, SD or SDHC card (optional) can be used as an additionally buffer facility. This provides for adequate fall back in case of network or streaming failures.

## Streamit B.V.

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**ORDER INFORMATION**  
Type number Europe  
Type number US / Canada

**SIR80**  
SIR80 / EU  
SIR80 / US

**SIR100**  
SIR100 / EU  
SIR100 / US

**SIR120**  
SIR120 / EU  
SIR120 / US

**SIR120PRO**  
SIR120PRO / EU  
SIR120PRO / US

### INCLUDED IN DELIVERY

SIR internetradio  
Powersupply 12 Vdc with screw jack  
Ethernet cable RJ45 3m  
USB programming cable  
User manual

### SIZE AND WEIGHTS

Sizes (b x d x h mm)	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	310 x 220 x 100
Weight (g)	750	750	750 (800 SIR120PRO)
Total weight in packaging (g)	1500	1500	1500 (1600 SIR120PRO)

### SPECIFICATIONS

	<b>SIR80</b>	<b>SIR100</b>	<b>SIR120 / SIR120PRO</b>
Stereo decoder	MP3	MP3 and WMA	MP3, WMA, AAC+ and Ogg Vorbis
Samplefrequency (max. kHz)	48	48	48
Bitrate (stereo, max. kbps)	320	320	320
Ethernet controller	10 Mbps	10 Mbps	10 Mbps
Amount of adjustable channels	32	32	32
Channel selections	2 buttons	2 buttons	2 buttons
LCD-display	62 x 15 mm, 2 x 16 characters, 5 x 8 dots yes / blue	62 x 15 mm, 2 x 16 characters, 5 x 8 dots yes / blue	62 x 15 mm, 2 x 16 characters, 5 x 8 dots yes / blue
LCD-display with backlight / color	yes / blue	yes / blue	yes / blue
Languages	Dutch / English / German	Dutch / English / German	Dutch / English / German
Real-time clock	no	yes	yes
Firmware upgrade on-line	yes	yes	yes
Compatible with Icecast / Shoutcast	yes	yes	yes
Windows Media Streaming compatibel	no	yes (HTTP / RTSP / MMS)	yes (HTTP / RTSP / MMS)
SD memory card / back-up	yes	yes	yes
Poweradapter SPS / EU	230 VAC / 12 Vdc - 500 mA	230 VAC / 12 Vdc - 500 mA	230 VAC / 12 Vdc - 500 mA
Poweradapter SPS / US	110 VAC / 12 Vdc - 500 mA	110 VAC / 12 Vdc - 500 mA	110 VAC / 12 Vdc - 500 mA
Power consumption			
- standby (typical W)	2	2	2
- operation (typical W)	3	3	3

### INPUTS

	<b>SIR80</b>	<b>SIR100</b>	<b>SIR120</b>
Ethernet 10 / 100 Base-T	RJ45	RJ45	RJ45
Power in 12 Vdc	Screw-jack	Screw-jack	Screw-jack
Service-connector in / out	USB-A	USB-A	USB-A
MMC / SD / SDHC-card	yes	yes	yes
Remote control	yes	yes	yes

### OUTPUTS

	<b>SIR80</b>	<b>SIR100</b>	<b>SIR120</b>
Stereo lineoutput / headphone	2 x RCA	2 x RCA	2 x RCA
Balanced outputs	no	no	2 x XLR male (only for SIR120PRO)

### TEMPERATURE RANGE

	<b>SIR80</b>	<b>SIR100</b>	<b>SIR120</b>
Operation (°C)	+10 to +35	+10 to +35	+10 to +35
Storage packed (°C)	-25 to +50	-25 to +50	-25 to +50
Storage unpacked (°C)	0 to +45	0 to +45	0 to +45

### RELATIVE HUMIDITY

	<b>SIR80</b>	<b>SIR100</b>	<b>SIR120</b>
Operation (%)	15 to 85	15 to 85	15 to 85
Storage packed (%)	5 to 95	5 to 95	5 to 95
Storage unpacked (%)	15 to 85	15 to 85	15 to 85

### ACCESSORIES

	<b>SIR80</b>	<b>SIR100</b>	<b>SIR120</b>
19"-rack mounting kit	MK	MK	MK

### SERVICE COMPONENTS

	<b>SIR80</b>	<b>SIR100</b>	<b>SIR120</b>
Power adapter (Europe)	SPS / EU	SPS / EU	SPS / EU
Power adapter (USA / Canada)	SPS / US	SPS / US	SPS / US

