IMP40

SourceCon™ internet audio player module

▶ Features

- **Works with any SourceCon™ enabled device**
- **Linum™ Technology**
- **vTuner database sync (30.000+ Channels)**
- **Custom audio stream selection**
- **MP3, WMA & AAC radio station support**
- **USB Media player backup (connection interruption)**
- **Preferential station storage (100 entries)**
- **Miniature modular design**
- **Balanced stereo audio output**

▶ Applications

- **Clubs & pubs**
- **Restaurants & bars**
- **Warehouses & retail stores**
- **Public & office buildings**
- **Houses of worship**
- **...**

Internet

The IMP40 is a professional internet audio player featuring SourceCon™ modular technology. This unique technology guarantees true plug & play implementation to any compatible device. When inserted to a supporting slot, the module is instantly installed, discovered and ready for operation without requiring any additional internal wiring or complex configuration.

The IMP40 features the unique Linum™ technology which eliminates any unwanted behaviour such as sudden channel hopping or music stops. When the connection is interrupted, automatic switching to inserted media carriers (USB drives) avoids unpleasant silences in background music applications. The audio stream will be automatically and seamlessly restored afterwards.

It synchronizes with the vTuner database containing over 30.000+ channels, allowing selection on different criteria such as genre, location, language, ... An internal memory offers storage and allows quick and easy recalling for up to 100 preferred stations, while custom / additional audio streams can be added through entering their URL.

The input connection is implemented by an RJ45 type connector with indicator LED's on its panel, allowing connection to any ethernet network. The balanced stereo line output is connected through two 3-pin terminal block connections.

▶ Specifications

SYSTEM SPECIFICATIONS	
Connection	SourceCon™ interface card slot
Input	RJ45 Ethernet connection
Supported filetypes streaming	MP3, WMA, AAC
Compatible media playback	USB memory, USB HDD (max xx GB)
Compatible filesystems playback	FAT16/FAT32
Supported filetypes playback	MP3, Ogg Vorbis, AAC(M4A), FLAC, WMA, WAV
Output	Balanced stereo line output (3-pin Euro Terminal Block - 3.81 mm)
Output level	+8 dB ~ -92 dB
Frequency response	20 Hz - 20 kHz
Crosstalk	80 dB
THD+N	< 0.07%
Power consumption	1.5 Watt
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	87 x 34.5 x 114 mm
Weight net	0.07 Kg
Mounting	SourceCon™ interface card slot
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight and volume	0.260 Kg - 0.028 Cbm
Compatible devices	XMP44 modular audio system

*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.

▶ Architects' and Engineers' Specifications

The audio source module shall be a internet audio player module featuring SourceCon™ modular technology, allowing flexible and plug & play integration to any compatible modular system.

The internet audio player shall feature Linum™ technology, eleminating channel hopping and music stops in case of unstable connections and automatically switches to inserted media player backup (USB drives) once the connection is interrupted. The radio station list shall automatically synchronize with the vTuner database and including over 30.000+ stations selectable on various criteria, including genre, location, language, ... An internal memory shall offer storage up to 100 preferred audio channels, allowing quick & easy recalling of the them. A possibility for adding custom / additional audio streams through entering their URL shall be implemented. Additionally carried information (Station, Track, Program) shall be available from the module, allowing it to be retrieved and displayed through the modular system installed to.

Supported streaming filetypes shall include MP3, WMA and AAC in numerous bitrates, while the media player backup shall support MP3, WMA, WAV, FLAC, OGG and AAC in numerous bitrates. The signal output level shall be user (software) configurable within a range of +8 dB and - 92 dB.

The network input connection shall be implemented using an RJ45 type connector with indication LED's, while the audio output is a balanced stereo line output connected through two 3-pin terminal block connectors.

The internet audio player shall be implementable in a total system control application which is compatible with Android and iOS devices, allowing combining its controls together with other audio&video equipment from one single dashboard.