



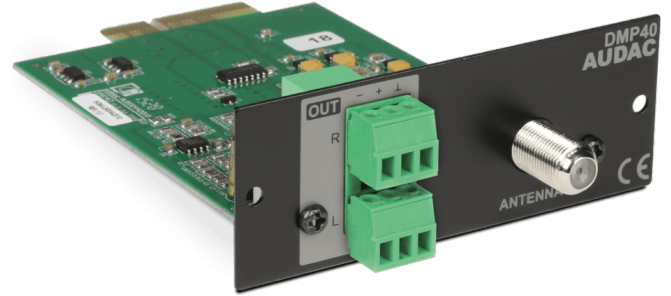
# DMP42

## SourceCon™ DAB/DAB+ & FM tuner module

### Highlights:

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- Balanced stereo line output
- True plug & play solution
- Works with any SourceCon™ enabled device
- DAB/DAB+/FM support
- RDS / radiotext station information
- Manual & auto tuning
- F-type antenna connection
- Preferential station storage
- Signal strength indication



The DMP42 is a professional DAB/DAB+ & FM tuner 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 DMP42 provides access to a wide variation of radio stations while guaranteeing a high-quality audio reproduction. Station selection can be done manually or automatically, while up to 10 preferred channels can be internally stored and recalled. Radio station information carried by RDS / Radiotext can be retrieved, while other functions such as mono/stereo switching (FM) always guarantee the best possible audio clarity.

The signal output level is user-configurable, while dynamic range compression (DRC) is supported, improving the intelligibility for low volumes in applications with high levels of background noise. Signal reception strength can be retrieved from the module and indicated on the graphical interface of the controlling device. The antenna input is implemented by an F-type connector on its panel, allowing connection of the included antenna cable or any other external antenna using 75 Ohm coaxial cabling. The balanced stereo line output is connected through two 3-pin terminal block connections.

Please note: An outdoor antenna is necessary for DAB/DAB+ reception. For DAB/DAB+ reception we suggest the RGA12 outdoor DAB/DAB+ antenna.

Discover more about our modular audio players

### Applications:

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- Retail
- Public facilities
- Corporate spaces
- Houses of worship
- Clubs, bars, restaurants

## System specifications:

Connection		SourceCon™ interface card slot
DAB	Crosstalk (@ 1 kHz)	53 dB
	Sensitivity (1W/1m)	-99 dBm
	Signal / Noise	81 dB
	THD+N (@ 1 kHz)	0.026%
	Tuning Range (-10 dB)	Band-3 L-Band
FM	Crosstalk (@ 1 kHz)	26 dB
	Frequency Response ( $\pm$ 3 dB)	30 Hz - 12.5 kHz
	Sensitivity (1W/1m)	-108 dBm
	Signal / Noise	52 dB
	THD+N (@ 1 kHz)	0.22%
	Tuning Range (-10 dB)	87.5 ~ 108 MHz
Inputs		F-type antenna connection (75 $\Omega$ )
Outputs	Level	+8 dB ~ -32 dB
	Type	Balanced stereo line outputs (3-pin Euro Terminal Block (Pitch - 3.81 mm))
Power	Consumption	1.5 W
DAB	Frequency Response ( $\pm$ 3 dB)	42 Hz - 20 kHz

## Product Features:

Dimensions		87 x 34.5 x 114 mm (W x H x D)	
Mounting		SourceCon™ interface card slot	
Weight		0.074 kg	
Accessories	Included	Antenna cable	
	Optional		ASK40S 4-way antenna splitter kit
			RGA10 - Outdoor FM antenna
			RGA12 - Outdoor DAB/DAB+ antenna

## Architects' and Engineers' Specifications:

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The audio source module shall be a DAB, DAB+ and FM tuner module featuring SourceCon™ modular technology, allowing flexible and plug & play integration to any compatible modular system. The radio tuner shall be capable for a reception to a wide variation of radio stations with high-quality audio. The FM reception shall be tuneable within a range from 87.5 MHz up to 108 MHz, while the DAB/DAB+ band shall be tuneable within a range of 171 up to 240 MHz (Band-3) and 1452 up to 1492 MHz (L-Band). The selection / tuning for the radio stations shall be possible using both manual or automatic search functionalities. An internal memory shall allow storage up to 10 preferred audio channels which are easy to be recalled. Additionally carried radio station information (RDS / Radiotext) and signal reception strength shall be available from the module, allowing it to be retrieved and displayed through the modular system installed to. The signal output level shall be user (software) configurable within a range of +8 dB and - 32 dB and Dynamic Range Compression (DRC) shall be available for DAB/DAB+, improving the intelligibility for low volumes in applications with high levels of background noise. The antenna input connection shall be implemented using an F-type (75 Ω) antenna connection on its panel, while the audio output is a balanced stereo line output connected through two 3-pin terminal block connectors. The DAB, DAB+ and FM tuner 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.