

DAC7000 Audio Encoder

Applications

- National radio networks
- Radio distribution networks
- In-store audio networks for retailers with regional advertising

Features

- SCPC operation
- Codec support includes industry standard ISO/MPEG Layer II
- Encodes 1 stereo pair (2 mono)
- Balanced analog and AES/EBU audio inputs
- Compatible with legacy audio networks including the ABR202/200 and DAC700/400
- Full featured front panel monitor and control
- Headphone jack monitor

A MPEG Layer II encoder for support of legacy ABR networks.

The DAC7000 Audio Encoder is an integrated digital audio encoder compatible with the ABR legacy product line of receivers.

The DAC7000 allows operators to save space-segment transmitting narrow-band carriers for each audio stream. By connecting a Modem and transmission equipment to a DAC7000, unlimited audio receivers can be added to complete the network and receive the broadcast.

Industry Standard Encoding

The DAC7000 digitally encodes audio and multiplexes data using industry standard ISO/MPEG Layer II. Seven different audio rates allow the network to select between audio quality and transmission costs. User data along with relay/cue signals can be multiplexed into the encoded audio stream allowing for completely automatic operation at remote sites using the ABR202A, 202 or 200.

SCPC Operation

Single Carrier Per Channel (SCPC) support for networks based on the legacy DAC700/400 codec and ABR202/200 receiver is provided with the DAC7000. The DAC7000 can be used to replace the encoding functionality of the DAC700 or as an additional encoder in a DAC700/400 installation. The DAC7000 is compatible with many popular modems including the DMD20 and CM701/601 as well as redundancy switches including the RCS11, CX101, CX801 and AX801.

TECHNICAL SPECIFICATIONS—DAC7000 Audio Encoder

AUDIO SPECIFICATIONS	
Audio Encoding ISO/MPEG Layer II	<ul style="list-style-type: none"> 64, 96, 128, 192, 256, 384 Kb/s Mono, Dual Mono (stereo), joint stereo modes
Audio Ports	<ul style="list-style-type: none"> Analog inputs, L/R stereo pair, balanced, DB-9 Female connector Digital inputs, AES/EBU, balanced stereo, DB-15 Female connector
AUXILIARY DATA	
ASync Channels	1200, 2400, 4800, 9600 bps, EIA-232; DB-9 Female connector
MISCELLANEOUS SPECIFICATIONS	
Auxiliary Data Processing	ASync Channels: 1200, 2400, 4800, 9600 bps, EIA-232; DB-9 Female connector
TTL Sensor Inputs	Optically isolated, 16 inputs, DB-37 Female connector

STATUS AND CONTROL INTERFACES	
<ul style="list-style-type: none"> RS-232 Proprietary Command Line Monitor and Control (ASCII) or RS-485 Packet Protocol, DB-9 Female connector Smart front panel control Status fault relay 	
POWER REQUIREMENTS	
Supply Voltage	Audosensing, autoranging, 90 to 240 VAC, 50 to 60 Hz
Power Consumption	60 Watts maximum
PHYSICAL PARAMETERS	
Chassis	1RU rackmount
Dimensions (H, W, D)	4.5 cm x 48.3 cm x 45 cm (1.75" x 19" x 17.7")
Weight	5.5 kg (12 lbs.)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0° to 45° C (32° to 113° F)
Storage Temperature	-22° to 70° C (-4° to 158° F)
Safety and Emissions	CE Certification



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