

iPUMP 8640

PROFESSIONAL AUDIO SERVER



Features

- CompelControl[®] Network Management
- Live audio streams via:
 - DVB satellite
 - streaming internet sources
- Automate:
 - Liners
 - Jingles
 - Station IDs
 - Advertisements
 - Syndicated shows
- Event triggering:
 - Scheduled
 - Local cues
 - Master control
- Cue local automation
- Program associated data
- Seamlessly mixes live and file-based audio
- Media file sources:
 - Pre-recorded from live audio stream
 - Downloaded over satellite or internet
 - Uploaded from local content providers
- Live & file-based programming including:
 - Audio
 - Cues
 - Program Associated Data (PAD)
- TimeZone delay
- ShowShift feature
 - Schedule recording and playback includes cues and PAD
- Off-air confirmation of audio payout , using on-board AM/FM tuners

WEGENER's iPump 8640 Radio Network Media Server is designed for the modern Radio Network. Under the management of WEGENER's CompelControl[™] system, it provides the needed store forward capability to allow for diverse local and regional customization. It delivers both live and file-based audio programming, along with the needed auxiliary objects such as relay cues and program associated data. It supplies a complete programming feed to up to four separate radio stations.

WEGENER's end-to-end solution includes network control components to maximize the distribution of live broadcasts, stored content and seamlessly re-use content. It offers great flexibility for targeting content and remote configuration.

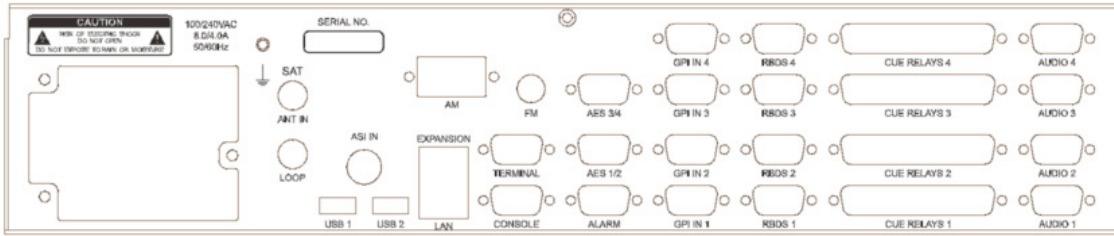
CompelControl[®]

- Sophisticated and powerful network and media management tools.
- Downloaded local content synchronized with central control system inventory
- Return path to master control via Internet:
 - File play logs
 - Operations logs
 - Server status
- Aliasing allows one command to trigger different simultaneous file plays
- Delegate local control authority

OPTIMIZING MEDIA DISTRIBUTION

WEGENER[®]

iPUMP 8640 Professional Audio Server



REAR VIEW

TECHNICAL SPECIFICATIONS

Live Audio Sources

Satellite	DVB-QPSK, DVB-S2-QPSK, or DVB-S2-8PSK
Internet	HTTP streaming
Sample rates/format	44.1k or 48kHz sampling, stereo or mono
Compression	MPEG1 L2 or AAC-LC or HE

File Content

Content storage space	160 GB std
Audio file types	Linear PCM (.wav) MPEG1 Layer II (.mp2 or optional .mp3) AAC-LC or HE (ma4)
Satellite download	MPE/IP under DVB Transport
Internet download	HTTP
Local upload	SMB and FTP
Program Recording Limits	8 simultaneous live recordings

I/O dedicated by Port (each of 4 Ports)

Audio output	Balanced analog (+18 or +24 dBm ppl) on DB9 male AES balanced digital audio (shared by 2 ports on DB9 female) (Optional) AES67 audio (Optional) Shoutcast streaming audio
Cue outputs	32 Form A relays (DB37 male) UDP messages (Optional)
Cue inputs	4 closure inputs (DB9 male) UDP messages (Optional)
PAD (RBDS) data	RS232 (DB9 female) UDP messages (Optional)
AM/FM tuners	Shared input type: FM: F connector AM: wire terminals

GENERAL I/O

Satellite Antenna In	L-band RF, -25 to -65 dBm Type 'F' coax female 75 ohms
LNB DC Out	18VDC typ @ 350mA max or ASTRA support
ASI Transport In (Option)	ASI Transport BNC female jack
USB	USB 2.0 on type 'A' jacks (factory use only)
LAN	Gig-E Ethernet, general M&C: HTTP, FTP, SMB, SNMP
EXPANSION	Gig-E Ethernet, specialized IP audio outputs
FM	88-106 MHz, Type 'F' coax female, 75 ohms
AM	510-1650 kHz, Wire terminals
Terminal	RS232, DCE, 9600 baud DB9 female
Console	VGA (factory use only)
Alarm	Form C relay closure DB9 female

MECHANICAL

AC Power	Internal supply, IEC jack, factory-set for: 115 VAC +/- 10% 1.6A (max.) 230 VAC +/- 10% 1.0A (max.)
Form factor/size	Rack-mounting, 2RU height 18" deep
Storage options	Single solid-state SATA RAID1 array of 1 SSD & 1 metal HDD
Operating Temperature	+10 to +45°C

CONTROL CompelControl®

Web browser Terminal	Satellite HTTP stream (associated elements in-band) Polled HTTP
Front-panel SNMP	Physical Terminal Telnet Keypad/LCD Requested status Traps on Alarm

AGENCY APPROVALS

FCC Part 15B Class A
UL/CSA 1950
CE
RoHS and WEE

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01/15 - iPUMP8640

