## FEATURES

- CompelControl© Network Management

- Show Director programming tool

- Live audio streams via: DVB satellite and/or 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)

- Axia Livewire Audio with associated Cue GPO/GPI

- Microcasting, file-based automation playout, with hard and soft hours

- ShowShift feature
  Schedule recording and playback includes cues and PAD

- Off-air confirmation of audio playout, using on-board AM/FM/HD tuners

- Redundant Internet ISPs

- Sports Show pre-emption w/ priority

- Hot swappable storage drives on 4 port Audiocaster Pro

# AUDIOCASTER

Pro Audio Server

WEGENER's **Audiocaster Pro Audio Server** is designed for the modern radio network. Under the management of WEGENER's CompelControl™ and Show Director management 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.
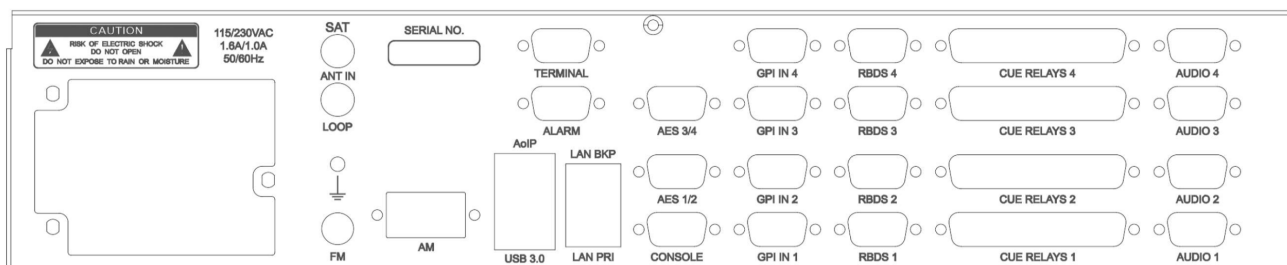
## CompelControl© & Show Director

- Sophisticated and powerful network and media management tools.

- Downloaded local content synchronized with central control system inventory

- Return path to head-end control via Internet:
  - File play logs
  - Operations logs
  - Server status

- Localize spot play using one aliased command to trigger different file plays at various sites

- Delegate local control authority



**Front Panel of a 4 port Audiocaster Pro**



**Front Panel of a 2 port Audiocaster Pro**

WEGENER®

**Rear Panel**

Note: Connectors for 3rd & 4th ports removed on 2 port Audiocaster Pro

## LIVE AUDIO SOURCES

| | |
|---|---|
| Satellite | DVB-QPSK, DVB-S2-QPSK DVB-S2-8PSK |
| Internet | HTTP Live Streaming |
| Sample rates/format | 44.1kHz or 48kHz sampling. Stereo or mono |
| Compression | MPEG1 L2 or AAC-LC or HE |

## FILE CONTENT

| | |
|---|---|
| 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 |

## I/O DEDICATED FOR EACH PORT

| | |
|---|---|
| Cue outputs | 16 Form A relays (DB37 male) UDP messages Axia Livewire GPO (Optional) |
| Cue inputs | 4 closure inputs (DB9 male) UDP messages Axia Livewire GPI (Optional) |
| PAD (RBDS) data | RS232 (DB9 female) UDP messages |
| AM/FM/HD tuners | Shared antennae: 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 |
| USB | USB 2.0 on type 'A' jacks (factory use only) |
| LAN, Primary & BackUp | Gig-E Ethernet general, M&C: HTTP, FTP, SMB, SNMP |
| AOIP | Gig-E Ethernet, specialized IP audio outputs |
| FM, HD-FM | 88-106 MHz, Type 'F' coax female,75 ohms |
| AM, HD-AM | 510-1650 kHz, Wire terminals |
| Console | VGA (factory use only) |
| Terminal | RS-232, DCE, 9600 baud DB9 female |
| Alarm | Form C relay closure DB9 female |

## REPORTING

| | |
|---|---|
| Status Reporting | Unit Status |
| Operational Reporting | Cues, alarms, grouping, etc. |
| AsRun Reporting | File play |
| Affiliate Reporting | Legal Play log (used in file-based Microcasting only) |

## 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 |
| Operating temperature | +10 to +40°C |

## CONTROL

| | |
|---|---|
| CompelControl® | Satellite TS PID ID3 tags in HLS streams Polled HTTP |
| Web browser | Simple HTTP |
| Terminal | Physical RS232 Anonymous Telnet User under scp login (factory use only) |
| Front panel | Keypad/LCD |
| SNMP | Requested status, Traps on Alarm |

| AUDIOCASTER PRO MODEL | 4 PORT | 2 PORT |
|---|---|---|
| Content storage space | 160GB STD | 128GB MIN |
| Storage Options | RAID1 (removable drives) | mSATA |
| Program Recording Limits (Simultaneous live recordings) | 8 | 4 |
| Audio output Balanced analog (+18 or +24 dBm PPL) DB9 male | 4 Ports | 2 Ports |
| AES3 balanced digital audio (shared by 2 ports on DB9) | | |
| Axia Livewire audio (optional) | | |
| HTTP streaming audio (monitor only) | | |