HDR-CC - an HD Radio® Capture Client

1 channel audio client to stream your SPS channels (HD2-HD4)

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HDR-CC – Overview

HD2-HD4 with just one connection

Directly connect your supplemental programs (SPS, HD2-HD4) to your Importer. No need for additional hops or converters.

High quality audio for an affordable price

- ▶ Robust XLR connectors
- ▶ Symmetric audio signals
- ▶ Up to +18 dBu input signals
- ▶ Adjustable gain/attenuation
- ▶ Configurable audio channel to use analog L/R or AES/EBU

HD Radio® Technology

Fits perfectly with your Gen4 Importer. Directly send the audio streams from your HDR-CC to the Importer, the Importer will recognize it and even display buffers and level meters.

- ▶ On request: downwards compatibility to Gen3 Importer

Optional: sound processing

This priced option enables sound processing via option key, also if the box was not purchased originally with that license.

- ▶ Use an internal AGC algorithm directly in the box
- ▶ Use a smart limiter to protect against overshoots
- ▶ Enhance loudness to be almost similar to HD1

Control

- ▶ Remote control with various possibilities: HTTP/S, SFTP, SSH, SNMP
- ▶ GPIOs to simplify downwards compatibility with emergency warning systems

Emergency Alert Mode

- ▶ Connect the HDR-CC to the Importer/Exporter triggered by a GPI.
- ▶ If it is configured as emergency alert client, the HDR-CC will replace all supplemental programs with the emergency program automatically.
- ▶ Requires Gen4 Importer

Monitoring

- ▶ All statistics and parameters available via HTTPS and SNMP
- ▶ Headphone output

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Your audio. Our solution.

Audio

Formats

Codec	HD Radio® Codec, PCM
Sample Rates	32 kHz, 44.1 kHz, 48 kHz
Digital Audio Bandwidth	10 Hz through to 22.5 kHz mono & stereo @48kHz sample rate
Sample rate converter	8:1 (up) and 1:7,5 (down) with bypass modes

Interfaces

Audio

Digital (in)	1x AES/EBU, 110 Ω bal., integrated XLR
Analog (in)	1x L/R, > 10k Ω bal., 2 integrated XLR connectors
Headphone (out)	L/R, < 10 Ω, 6,3 mm
Analog reference level	+9dBu (max. +18dBu)
Digital reference level	-9 dBFS (adjustable)
Dynamic range	16 Bit, > 89 dB
	24 Bit, > 130 dB
Frequency Response	0.1 dB; 20 Hz…20 kHz

Ethernet

Connector	1x RJ45
Type	Auto switching 10/100/1000 BASE-T
Protocol	TCP, UDP, IGMP, ICMP, DHCP, HTTP, HTTPS SNMPv2c, NTP

Contact closure

Connector	Phoenix contact terminal block
Inputs	1 inputs
Outputs	1 floating relays (SPST) (for DC: max. 30 V, 0.5 A)

Internal storage

Data	internal audio files
Size	4 GB, 8 GB, 16 GB

Control & Monitor

Front panel

3 LEDs	Power, Audio, Fault

Ethernet

LEDs	Link and activity

Datasheet Version 18.09.2020
These data are subject to modifications and amendments. Errors excepted.

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General data

Power consumption	<10W
Case dimensions	Height: 1.65 inch (42mm)
	depth: 3.93 inch (100mm),
	width: 3.93 inch (100mm),
Weight	< 1.0 lb (<500 g)
Material	aluminium
Operating temp. range	0…+45°C
Storage temp. range	-40…+70°C
Languages	English

Power supply

12V PSU	1x external wall plug, 90…260 VAC, 47…63 Hz to 12V
PoE PSU	Power over Ethernet Adapter

Certifications & compliance with standards

Certifications	RoHS, CE, FCC
Standards	NRSC-5, EN 60950, EN 55024, EN 61000-6-2, EN 61000-32, EN 61000-3-3

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