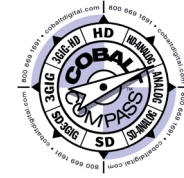




Cobalt Digital Inc.

2406 E. University Ave.
 Urbana, IL 61802
 Voice 217.344.1243 • Fax 217.344.1245
 www.cobaltdigital.com

Compass® Card Options



A full range of feature options is available for Compass® cards that allow you to add functionality to suit your needs while minimizing extra cost and space requirements. *Adding options allows adding processing versatility without the expense and space usage of extra, added cards.*

Many options can be field-installed via an easy software feature upload, allowing select options to be installed as needed on already-installed cards. Software option upgrades typically take less than a minute to upload and require no removal of the card from its frame (these options of course can be ordered for new cards with the option already installed).

Option	Overview	Installation
+LP51/LP20	Linear Acoustic® Loudness Processing Software Option. Using Linear Acoustic® AEROMAX® algorithms, performs ATSC A/85-compliant 5.1 or stereo loudness processing on any of six channels outputted by the card. Available as: +LP51 – 5.1-channel loudness processor +LP20 – 2.0-channel loudness processor +2LP20 – dual 2.0-channel loudness processor	Option upgrade feature can be field-installed with feature software upload or ordered on new card.
+UM	Audio Upmixer Software Option. Featuring Linear Acoustic UPMAX™ technology, the 5.1 upmixer uses any stereo pair accommodated by the card and generates a six-channel 5.1 complement (L, R, C, LFE, Ls, Rs) from the stereo source, thereby allowing legacy stereo programming to adapt to and fully utilize 5.1-channel audio capabilities.	Option upgrade feature can be field-installed with feature software upload or ordered on new card.
+LM	Audio Loudness Meter Software Option. Adds Loudness Metering software which works in conjunction with the award-winning OGCP-9000 Remote Control Panel and our new WinOGCP Desktop Virtual Control Panel to provide a flexible, complete solution for ingest or on-air loudness metering, assessment, and records. Several cards can reports loudness data to one or virtually any number of control panels.	Option upgrade feature can be field-installed with feature software upload or ordered on new card.
+LTC	Audio/RS-485 LTC Software Option. Allows bidirectional transfer and conversion between video timecode formats and audio/RS-485 LTC. Audio LTC can be received or sent over various card audio channels. RS-485 LTC can be received or sent via a rear module RS-485 port.	Option upgrade feature can be field-installed with feature software upload or ordered on new card.
+AMx	Audio Mixer Software Option. Adds a 6-to-1 x 6 mixer function. The Audio Mixing Bus allows six mono outputs to be mixed independently using six inputs each.	Option upgrade feature can be field-installed with feature software upload or ordered on new card.
+DEC	Dolby® Decoder Option. Adds a Dolby® decoder which decodes Dolby E, Dolby Digital, and Dolby Digital Plus into routable PCM channels.	Hardware feature available only on new card.
+ENCD	Dolby® Digital™ Encoder Option. Adds a Dolby® Digital encoder which encodes to AC-3 using any audio source received by the card.	Hardware feature available only on new card.
+ENCE	Dolby® E Encoder Option. Adds a Dolby® E encoder which encodes to Dolby E using any audio source received by the card.	Hardware feature available only on new card.

On our website (www.cobaltdigital.com), enter an Option code (as listed above) in the Search window to go to a link for detailed option information.

	9031	9032	9033	9034	9035	9061	9062	9066	9067	9068	9081	9083	9085	9086	9301	9305	9321	9322	9323	9341	9371	9372	9374	9381	9822
+AMX			•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•				•	•
+DEC			•	•	•						•	•	•				•	•	•						
+ENCD												•	•												
+ENCE												•	•												
+LM (Note 2)			•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•				•	•
+LP51/LP20 (Note 3)			•	•	•	•	•	•	•		•	•	S	S	•	•	•	•	•	•				•	•
+LTC (Note 4)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	S	•
+UM			•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•				•	•

Note 1: "S" denotes this feature is standard on this card.

Note 2: Loudness Metering option uses separate co-licenses for cards (+LM-C) and control panels (+LM-P) to allow flexibility in provisioning. Each card and control panel used for +LM requires a respective co-license.

Note 3: If a +LP license is added to a card equipped with other DSP-based audio options (such as +UM Audio Upmixer Option), the card can support all of these options, however these options cannot be simultaneously enabled. The valid choices are:

- +LP51 only (5.1-channel loudness processing)
- +UM only (upmixer only)
- +LP20 only (stereo loudness processing)
- +2LP20 only (dual stereo loudness processing)

Note 4: Not all cards support RS-485 LTC I/O. Cards without audio routing controls offer only RS-485 LTC and do not support audio-based LTC. See specific product info for details.