ProPlex®

CODECOMMANDER
LTC-MIDI-ETHERNET
RACKMOUNT DEVICE

Multi-purpose timecode processor
LTC Management, Monitoring, Distribution, Conversion, Regeneration
Analog/Ethernet. SMPTE/RTP MIDI*/MIDI.
Source/output selection. Remote triggering. Regeneration. Protocol conversion.
RGB Clock display. LTC waveform analysis, Network and Analog distribution.

CONNECT WITH UNLIMITED CODEBRIDGES™ OR CODECOMMANDERS™ FOR A RELIABLE, MULTI-PORT LTC NETWORK

Fully compatible with industry standard timecode protocols:

- SMPTE timecode (LTC) via balanced XLR, TRS, CPC or DB25
- Art-Net Timecode, including stream ID
- RTP MIDI via Ethernet (coming soon)*
- MIDI timecode (MTC) via USB-C and DIN-5

Connect with unlimited CodeBridges™ or CodeCommanders™ for a reliable, multi-port LTC network.
Convert and distribute the primary timecode source over 12 balanced LTC outputs

* 4x XLR3 outputs built-in (base model)
* Optional extra panel with 8 outputs. With DB-25, CPC, or TRS connector options

- Remote access and screen-mirroring via built-in Web Browser
- Signal shape regeneration and jitter reduction
- Output level adjustment up to +9dBu (independent for XLR and optional panels)

Worldwide Exclusive Distribution

CE

Los Angeles +1 818.899.8818 | London +44 (0)20.8574.9700 | New York +1 201.896.8600 | Toronto +1 519.538.0888 | Beijing +86 10.8492.1587 | Riga +371 6389 8886

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www.ProPlex.com
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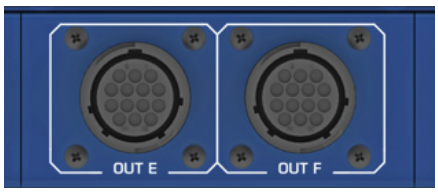
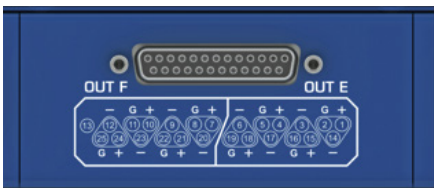
- 4 user-configurable preset buttons which trigger source selection modes
  - * Automatic (default) - the primary source selection is automatic
  - * Priority – force a specific source priority list which behave as automatic backup
  - * Generator – start and stop the internal LTC generator
- Large RGB LED dot-matrix clock displays time and status
- Built-in timecode generator capable of running at any standard framerate
- OLED screen with tactile navigation plus oscilloscope and level meter
- Redundant power via Mains Input and PoE

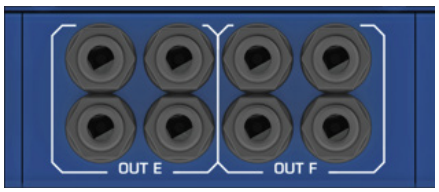
Add 8 additional LTC outputs by specifying an optional output panel from these Options:



2x CPC



1x DB-25 ("TASCAM")



8x 1/4" Jacks (balanced)

The CodeCommander optional 8-channel Output Plates are "Factory (TMB) Install Only".

Feature List	
Features	**Notes**
Multi-Protocol Compatibility	CodeCommander can receive the following protocols: • LTC (SMPTE) via combo XLR - ¼" TRS • Art-Net timecode via Ethernet • MTC via USB-C • MIDI timecode via DIN-5
User Assignable Buttons	Each of the 4 buttons can be set to trigger a predetermined behavior: • Automatic • Priority – manually set priority on a specific source with 3 sources as auto-backup • Generator playback commands start/stop
Timecode Conversion	The primary active timecode feed will be automatically converted and re-distributed to all outputs
OLED Control Screen with Buttons	Navigate the settings with dedicated tactile buttons
Ethernet Remote Management	IP based browser interface with real-time screen mirroring of the unit
Built-in Timecode Generator	Visible on dot-matrix display with playback controls programmed on assignable buttons
LTC Waveform Analysis	Oscilloscope and level measurements for LTC input sources, which is accessible from both the LCD screen on the unit and remotely via the browser interface
Output Options	Add 8 additional LTC outputs by ordering an optional output panel: • 2x CPC • 1x DB-25 • 8x Balanced ¼" TRS jacks
Signal Shape Regeneration and Jitter Reduction	All LTC outputs are regenerated with a given level and rise/fall time settings. Jitter reduction is also present - output is not a copy of incoming timecode but rather output of a generator that is synced to incoming timecode
Send Timecode over Ethernet	CodeBridge can receive Art-Net timecode streams from CodeCommander
Output Boost	Level adjustment up to +9 dBu per output
Colour Management for Dot-Matrix Display	Default clock colour scheme shows LTC status, or set custom colours using RGB commands
Redundant power via Mains + PoE	Powers from both PoE and Mains power **Please note: USB is data only – no USB power*

CodeCommander firmware is in active development. Upcoming features, coming soon, include:

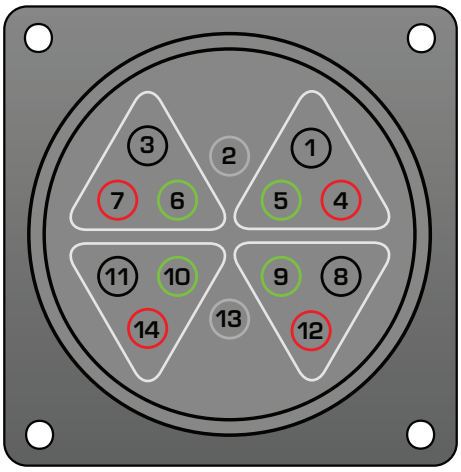
- RTP MIDI reception and transmission
- Source/Output matrix routing for multiple sources
- ProPlex Software implementation
- Name networked CodeCommanders or CodeBridges and select as sources/outputs
- Trigger presets remotely via UDM, OSC, sACN/Art-Net
- Interoperability with other ProPlex LTC devices in the network
- Save and upload unit configurations via PC

Technical Specifications	
Part Number	PPCODECOMLMER
Operating Voltage	100-240 VAC 50-60 Hz or PoE
Power Consumption	15 W
Power Connector	Neutrik™ PowerCON TRUE1™ with THRU
Ethernet Connector	Neutrik™ EtherCON™ RJ45
MIDI Input Connector	DIN 5-Pin Female
MIDI Output Connector	DIN 5-Pin Female
USB MIDI Input Connector	USB-C
LTC Input Connector	2x Neutrik™ Combination 3-Pin XLR and 1/4” TRS female
LTC Output Connectors	4x Neutrik™ 3-Pin XLR Male Plus optional panel can be selected at time of order with: 8x Outputs over DB-25 with Tascam Pinout, or 8x Outputs over 2x CPC connector, or 8x 1/4” TRS connectors (Output chosen at time of order)
Optimized Input Signal Level	0dBu (775 mV)
Operating Temperature	-20° to +40° C
Unit Dimensions (HxWxD)	482.6 mm (19 in) × 43.7 mm (1.7 in) × 212.2 mm (8.4 in)
Shipping Dimensions (HxWxD)	522 mm (20.5 in) x 90 mm (3.5 in) x 268 mm (10.5 in)
Unit Weight	2.9 kg (6.39 lb)
Shpping Weight	3.1 kg (6.83 lb)

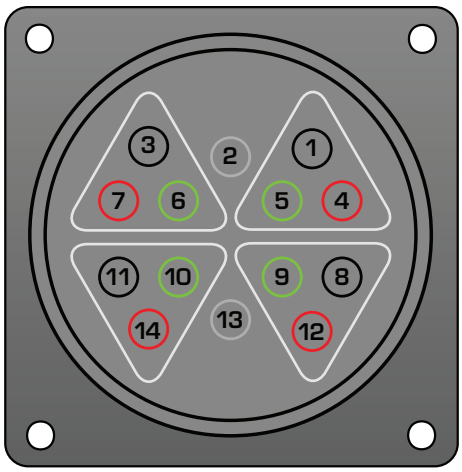
Ordering Codes	
Part Number	**Descriptions**
PPCODECOMLMER	PROPLEX CODE COMMANDER LTC MIDI ETHERNET RACKMOUNT
PPCODECOMLMECR	PROPLEX CODE COMMANDER LTC MIDI ETHERNET CPC4 OUT RACKMOUNT
PPCODECOMLMEDR	PROPLEX CODE COMMANDER LTC MIDI ETHERNET DB25 OUT RACKMOUNT
PPCODECOMLMEJR	PROPLEX CODE COMMANDER LTC MIDI ETHERNET JACK OUT RACKMOUNT

CPC PINOUTS

OUT E



OUT F



NEGATIVE	1
POSITIVE	4
GROUND/SHIELD	5

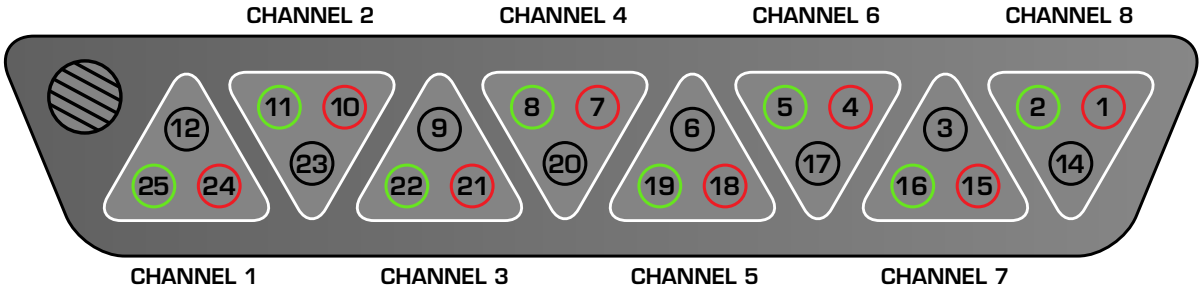
NEGATIVE	8
POSITIVE	12
GROUND/SHIELD	9

NEGATIVE	11
POSITIVE	14
GROUND/SHIELD	10

NEGATIVE	3
POSITIVE	7
GROUND/SHIELD	6

NOT CONNECTED	2
NOT CONNECTED	13

DB-25 “TASCAM” PINOUTS



CHANNEL 1

NEGATIVE	12
POSITIVE	24
GROUND/SHIELD	25

CHANNEL 2

NEGATIVE	23
POSITIVE	10
GROUND/SHIELD	11

CHANNEL 3

NEGATIVE	9
POSITIVE	21
GROUND/SHIELD	22

CHANNEL 4

NEGATIVE	20
POSITIVE	7
GROUND/SHIELD	8

CHANNEL 5

NEGATIVE	6
POSITIVE	18
GROUND/SHIELD	19

CHANNEL 6

NEGATIVE	17
POSITIVE	4
GROUND/SHIELD	5

CHANNEL 7

NEGATIVE	3
POSITIVE	15
GROUND/SHIELD	16

CHANNEL 8

NEGATIVE	14
POSITIVE	1
GROUND/SHIELD	2

ProPlex LTC Network System

Timecode and/or MIDI wherever you need them! Unlimited Ethernet distribution of LTC and MIDI opens a world of possibilities

CodeCommander™ Powerful multi-purpose timecode processor provides timecode conversion, generation, re-generation, configuration, repair, monitoring, plus source/output selection and management of an entire ProPlex LTC network

CodeCommander Part Number
PPCODECOMLMER
proplex.com/codecommander

**Please refer to cut-sheet for full list of features*

Fully compatible with industry standard timecode protocols:

- Ethernet - Art-Net Timecode
- MIDI timecode (MTC) via USB-C and DIN-5
- SMPTE timecode (LTC) via balanced XLR ports

Convert and distribute the primary timecode source over 12 balanced LTC outputs

- 4x XLR3 outputs built-in (base model)
- Optional interchangeable panels with 8x outputs and different connector options: (DB-25, CPC, ¼" Jacks)
- Signal shape regeneration and jitter reduction
- Output level adjustment up to +6dBu (independent for XLR and optional panels)
- 4 user-configurable preset buttons which trigger source selection modes
- Large RGB LED dot-matrix clock displays primary source and timecode generator with customizable color or default colour status scheme

CodeBridge™ Timecode and MIDI transmission/reception over Ethernet

CodeBridge Part Number
PPCODEBLME
proplex.com/codebridge

- Theoretically unlimited number of CodeBridges possible on the same network
- OLED control panel with LTC clock and intuitive user interface
- Oscilloscope and level timecode display
- One LTC input and two independent LTC outputs, adjustable (-18dBu to +6dBu)
- Built-in timecode generator capable of running at any standard frame-rate
- Redundant mains or PoE power

Los Angeles +1 818.899.8818
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New York +1 201.896.8600
Toronto +1 519.538.0888
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www.ProPlex.com
sales@tmb.com

CodeClock™ Compact timecode display with LTC/MIDI/USB conversion and LTC distribution

- Large RGB LED matrix clock displays time and changes color depending on status
- Receives timecode over LTC (XLR3), MIDI (DIN), or USB MIDI
- Redistributes selected timecode over LTC outputs
- 3x Neutrik XLR3 outputs are transformer-isolated and have adjustable level (-18dBu to +6dBu)
- OLED control panel with intuitive user interface, and waveform display
- Built-in timecode generator capable of running at any standard framerate
- Compact, lightweight, rugged, reliable. Backpack friendly
- Available rackmount kit options
- Powered via USB-C. Cable retainer prevents accidental disconnection

CodeClock Part Number
PPCODECLME
proplex.com/codeclock

ProPlex LTC tools for programmers

FOH Friend™ Timecode/Audio Switching Tools

Work with your local timecode and audio track files every spare minute, until the stage calls!

- Available with and without built-in USB-C DAC
- Instantly switch between two timecode and audio sources
- All the outputs and controls you need for programming with timecode and audio tracks
- Independent gain controls for XLR audio output + true headphone amp with 1/4" and 3.5mm jacks
- Two audio + two timecode inputs all with combination XLR/TRS connectors
- Selector switches for independent selection of audio + timecode inputs
- DAC can input and output via USB simultaneously
- Backpack friendly units ship complete with carrying pouch

Original FOH Friend Part Number
PPFOHF

FOH Friend DAC Part Number
PPFOHFDAC

proplex.com/foh-friend-timecode-audio-switching-tool

CONTACT INFORMATION

LOS ANGELES HEADQUARTERS

527 Park Avenue | San Fernando, CA 91340, USA

Tel: +1 818.899.8818 | Fax: +1 818.899.8813

sales@tmb.com

TMB 24/7 TECH SUPPORT

US/Canada: +1.818.794.1286

Toll Free: 1.877.862.3833 (1.877.TMB.DUDE)

UK: +44 (0)20.8574.9739

Toll Free: 0800.652.5418

techsupport@tmb.com

LOS ANGELES +1 818.899.8818

LONDON +44 (0)20.8574.9700

NEW YORK +1 201.896.8600

BEIJING +86 10.8492.1587

CANADA +1 519.538.0888

RIGA +371 6389 8886

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