

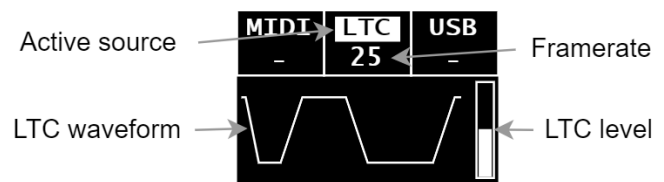
Timecode display with LTC/MIDI/USB conversion and LTC distribution



Features

- 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

OLED Control Panel



The formats and rates of incoming timecode streams show at the top of the OLED screen with the current active source highlighted. This active source will be routed to all three outputs.

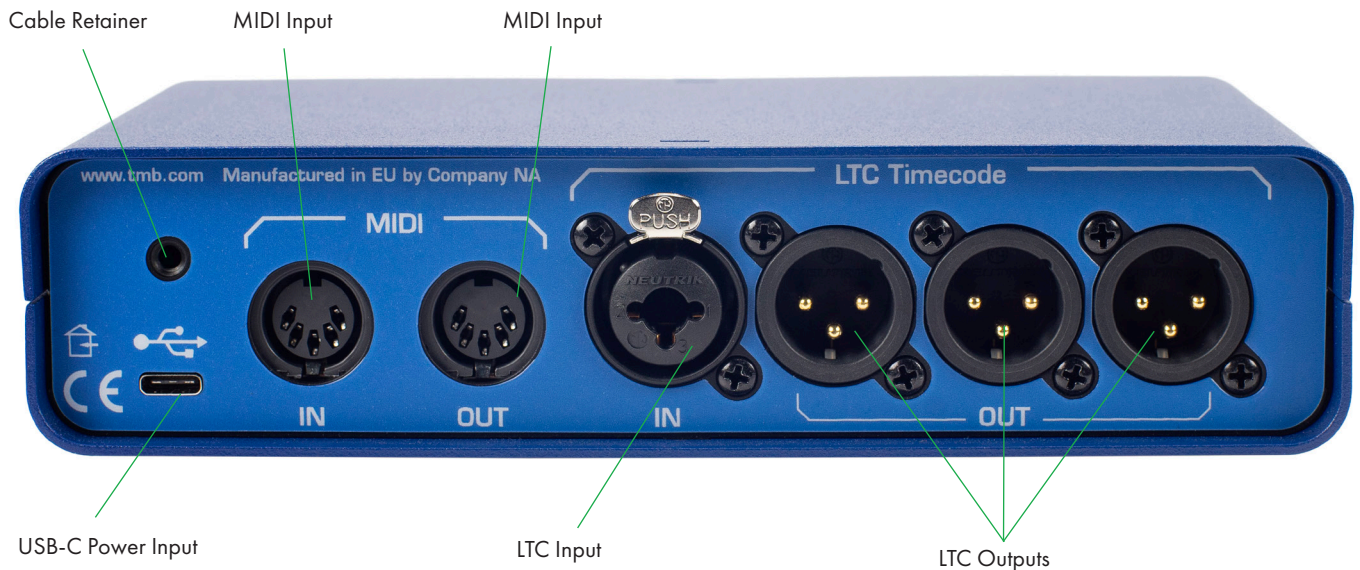
The Oscilloscope and voltage level bar underneath indicate signal level from incoming LTC source only. This waveform represents the shape of the signal - Ideally the LTC IN stream should resemble a square wave with high output level.

The ProPlex CodeClock is a member of our LTC Device system which is designed to generate, distribute and monitor timecode. Our rugged, compact mini-enclosure design is perfect for desktop programmers to throw in bag while also being flexible enough to install in a rack with an optional RackMount Kit. With custom color selection on a clean dot-matrix display, the CodeClock is the ultimate tool to synchronize and monitor timecode streams.

Worldwide Exclusive Distribution



| Specifications | |
|-----------------------|--|
| Part Number | PPCODECLME |
| Power Connector | USB-C Connector with cable retainer to prevent accidental power disconnection. Also transmits and receives USB MIDI. |
| MIDI Input Connector | DIN 5-Pin Female |
| MIDI Output Connector | DIN 5-Pin Female |
| LTC Input Connector | Neutrik™ Combination 3-Pin XLR and 1/4" TRS female |
| LTC Output Connectors | Neutrik™ 3-Pin XLR Male |
| Operating Voltage | 5 VDC |
| Power Consumption | 4.5 W Max. |
| Operating Temp. | TBA |
| Dimensions (HxWxD) | 1.72 x 7.22 x 4.42 in [43.7 x 183.5 x 112.3 mm] |
| Weight | 1.4 lbs. [0.64 kg] |
| Shipping Weight | 1.6 lbs. [0.73 kg] |



MENU TREE

LTC OUT MODE

- Passive - LTC signal passively passes through to outputs
- Active - LTC signal shape and level regenerated before output
- ** Note - this setting is operative only if LTC is the signal source. If the timecode source is MIDI or USB-MIDI, the LTC outputs are automatically set to active mode. If USB power is removed, the LTC outputs toggle back to passive mode so the signal will pass through even in an unpowered state.

GENERATOR

Timecode generator with selectable format, start time and user data / user bits.

Supported timecode formats:

- 23.976
- 24
- 25
- 29.97ND
- 29.97DF
- 30

BRIGHTNESS

Set LED matrix brightness.

OUTPUT LEVEL

Set LTC output level. Range -18dBu to +6dBu. Default 0dBu.

CLOCK COLOUR

Change RGB LED matrix colour mode:

- Auto - colour changes according to state
- Custom - set static colour

PREROLL

Set pre-roll time (in frames).

Pre-roll is the number of valid frames needed to consider timecode source valid and begin forwarding it to outputs. *Note - Display will always show timecode value starting from the 1st received frame regardless of this setting.

Range 1-30 frames. Default 2 frames.

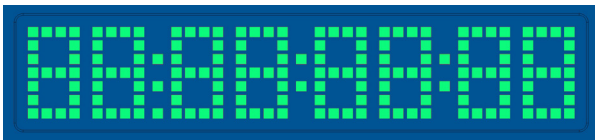
DEVICE INFO

Show unit firmware info

FIRMWARE UPDATE

Enter bootloader mode for firmware upload via USB.

CLOCK DISPLAY COLOURS



Green - Timecode running



Orange - Timecode pre-roll or jump



Red - No timecode, last received time value shown

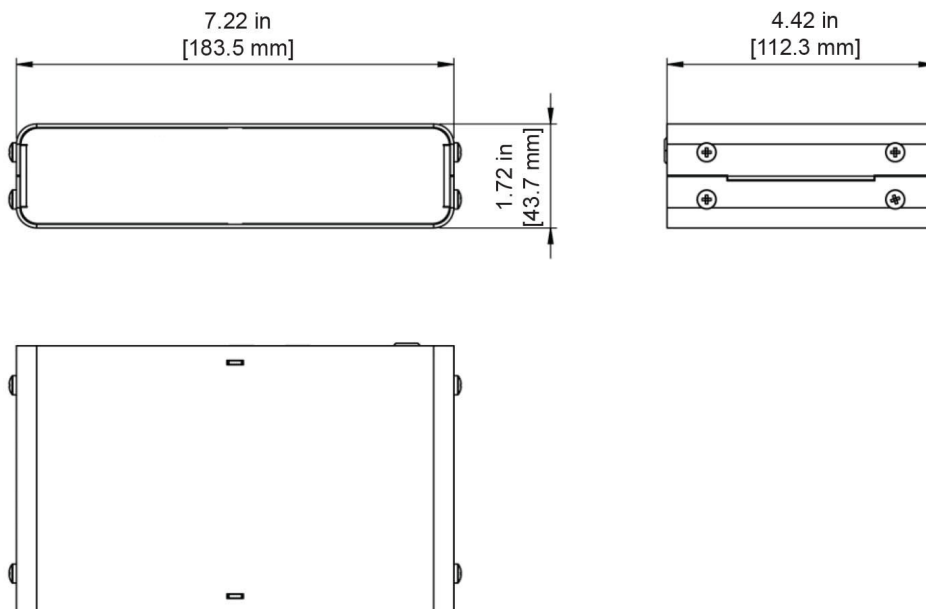


Blue - Timecode generator running

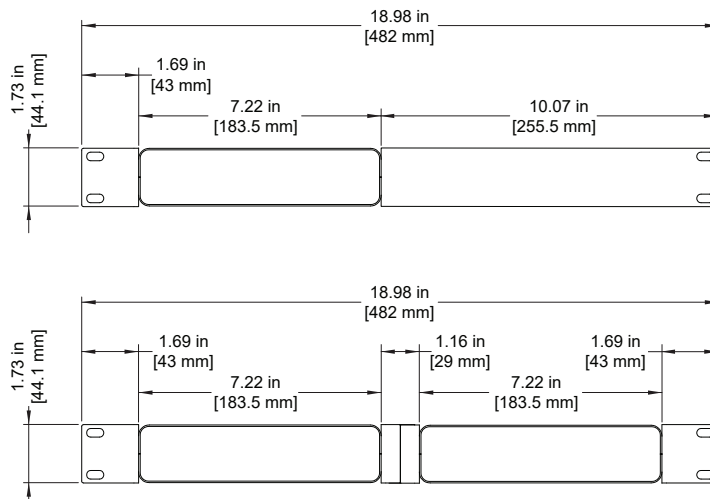
Additional colors can be selected for clarity and ease of use when multiple units are running side-by-side.



Dimensions



Optional RackMount Kits



Ordering Codes

| | |
|--------------|----------------------------------|
| PPCODECLME | CodeClock Timecode Display |
| PP1RMKITSS | 1U RackMount Kit, Small, Single |
| PP1RMKITSD | 1U RackMount Kit, Small, Dual |
| PP1RMKITS+MD | 1U Dual combination Small+Medium |



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, 1/4" 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

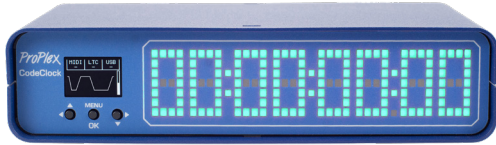


CodeBridge Part Number
PPCODEBLME
proplex.com/codebridge

- 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



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



CodeClock Part Number
PPCODECLME
proplex.com/codeclock

- Large RGB LED matrix clock displays time and changes color depending on status
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- 3x Neutrik XLR3 outputs are transformer-isolated and have adjustable level (-18dBu to +6dBu)
- OLED control panel with intuitive user interface, and waveform display
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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!



Original FOH Friend Part Number **PPFOHF**
FOH Friend DAC Part Number **PPFOHFDAC**
proplex.com/foh-friend-timecode-audio-switching-tool

- 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

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