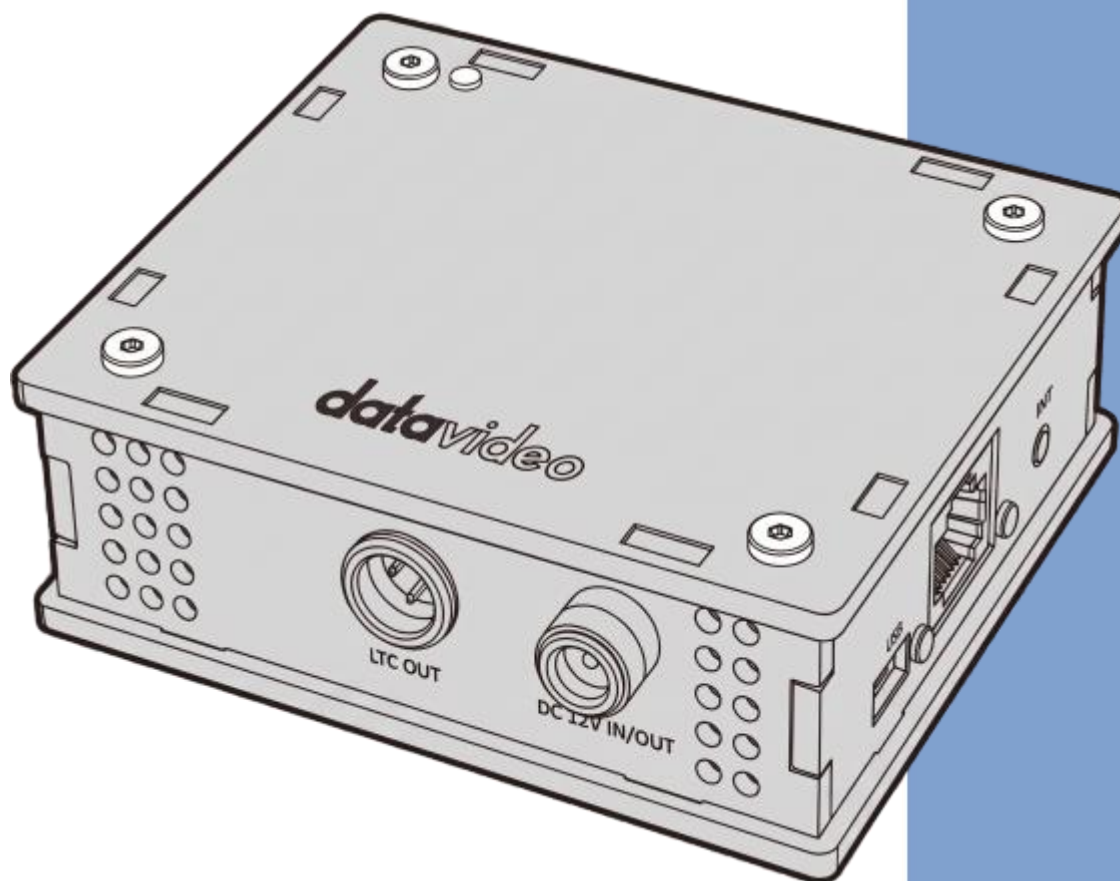


datavideo



NTP to LTC MODULE

NTP-100

Instruction manual

www.datavideo.com

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Disclaimer of Product & Services

The information offered in this instruction manual is intended as a guide only. At all times, Datavideo Technologies will try to give correct, complete and suitable information. However, Datavideo Technologies cannot exclude that some information in this manual, from time to time, may not be correct or may be incomplete. This manual may contain typing errors, omissions or incorrect information. Datavideo Technologies always recommend that you double check the information in this document for accuracy before making any purchase decision or using the product. Datavideo Technologies is not responsible for any omissions or errors, or for any subsequent loss or damage caused by using the information contained within this manual. Further advice on the content of this manual or on the product can be obtained by contacting your local Datavideo Office or dealer.

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warnings and Precautions



1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit in or near water.
5. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
6. Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
8. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.
9. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord rating.
10. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.
11. Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.
12. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.
13. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:
 - a. When the power cord is damaged or frayed;
 - b. When liquid has spilled into the unit;
 - c. When the product has been exposed to rain or water;

- d. When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;
- e. When the product has been dropped or the cabinet has been damaged;
- f. When the product exhibits a distinct change in performance, indicating a need for service.

Warranty

Standard Warranty

- Datavideo equipment is guaranteed against manufacturing defects for **one (1) year** from the date of purchase.
- A valid purchase invoice or other proof of purchase must be provided when requesting warranty service.
- The warranty period begins on the actual purchase date. If the purchase date cannot be verified, the warranty period will begin **thirty (30) days after shipment** from a Datavideo office.
- Non-Datavideo branded products (products without the Datavideo logo) are covered by a **one-year warranty** from the date of purchase.
- Damage caused by accident, misuse, unauthorized repair, or exposure to sand, grit, or water is **not covered** under warranty.
- Virus or malware infections on computer systems are **not covered** under warranty.
- Any issues caused by unauthorized third-party software installations that are not required by Datavideo systems are **not covered** under warranty.
- All shipping, mailing, or transportation costs, including insurance, are the responsibility of the owner unless otherwise stated.
- **Teleprompter glass is not covered** under warranty.
- Accessories, including **headphones, cables, batteries, metal parts, housings, protective cases, cable reels, and consumable items**, are **not covered** under warranty.
- Warranty is valid only in the country or region of purchase.
- All other claims **not explicitly stated** are not covered.
- Your statutory rights remain unaffected.

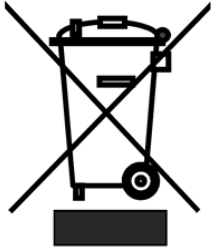
Five Year Warranty

- Starting January 1, 2026, all Datavideo products that are successfully registered on the Datavideo official website are eligible for a **free four-year extended warranty**, in addition to the standard one-year warranty, for a total of **five years of coverage**.
- **Only registrations completed through the Datavideo official website qualify** for the five-year warranty. Registrations completed through local Datavideo offices, resellers, or authorized distributors **are not eligible**.



- Certain parts with limited service life — including **LCD panels, DVD drives, hard drives, solid-state drives, SD cards, USB thumb drives, lighting equipment, non-PCIe cards, and third-party PC components** — are covered by a **one-year warranty only** and are **not eligible** for the extended warranty.
- **Camera modules** are covered by a **three-year warranty from the date of purchase**.

Disposal



For EU Customers only - WEEE Marking

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



CE Marking is the symbol as shown on the left of this page. The letters "CE" are the abbreviation of French phrase "Conformité Européene" which literally means "European Conformity". The term initially used was "EC Mark" and it was officially replaced by "CE Marking" in the Directive 93/68/EEC in 1993. "CE Marking" is now used in all EU official documents.

NTP-100

NTP to LTC Module



Overview

The Datavideo NTP-100 connects to NTP servers over wired Ethernet and converts incoming time data into LTC (Linear Time Code).

Powered via PoE (Power over Ethernet), it eliminates the need for an external power adapter and allows for fast, straightforward integration into existing systems.

12V output can be used to power the Datavideo LTC-45 LTC clock.

The NTP-100 delivers reliable, seamless time synchronization for studios, broadcast environments, and technical facilities.

Pair it with our LTC-45 LTC clock for a complete timing solution.

Example Workflow



Connections & Controls

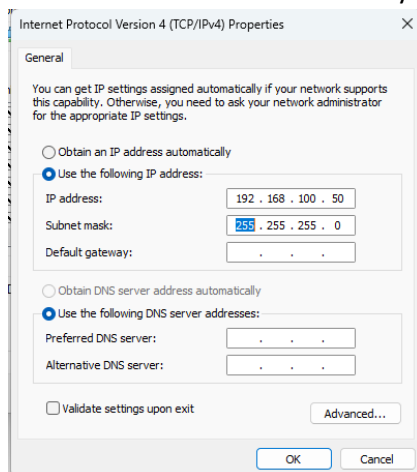


Number	Description
1	Power LED
2	LTC Output (Mini XLR)
3	12VDC IN / OUT
4	Mini USB (Power Input)
5	Ethernet / POE
6	INIT Button – Hold for 20 seconds on boot to reset factory settings.
7	Reset button – Press to reboot.

Network Settings

The NTP-100 comes configured with a static IP address (192.168.100.101) by default, to change it you must first power on the device and connect to its WebUI.

1. Connect the NTP-100 to your Ethernet network or directly to your PC via Ethernet.
2. Power the NTP-100 via POE, Mini USB or the 12VDC input.
3. Ensure the Ethernet interface of your PC is set to be in the 192.168.100.X range.



4. Open your web browser and navigate to 192.168.100.101, you will see the login page below.



6. Login with the password 'admin' and you will see the page below.



You have the following options:

Change Password

You can enter the new password to change login password of the NTP-100.

DHCP check box

When checked, the module will get its IP automatically from the DHCP server.

Static IP Address

If DHCP is not checked, the module will use this IP address.

Gateway IP Address

If DHCP is not checked, the module will use this Gateway address to reach internet.

NTP IP Address

Enter the NTP server IP address to be used (leave blank if using a NTP server URL).

NTP Server Name

Enter the NTP server name from which you want to get time information (default pool.ntp.org).

UTC Offset

NTP servers provide UTC time information. To get your local time information, you can set your local time zone offset here.

When the '**SAVE**' button is clicked, the values you have entered are saved to the Module. After saving, the module will reboot, once booted it will output LTC clock signal if it can establish network connection with the NTP server you saved.

Specification

Power Supply	PoE (Power over Ethernet) – IEEE 802.3af Mini USB. 12VDC
Power Consumption	1W without external load. 12W max with 800 MA external load.
LTC Output	Unbalanced 3 Vpp, 25 fps.
Additional Output	12V DC output with a maximum of 800 mA for external devices.
Network Settings	WebUI for device configuration. NTP server address, UTC time offset, and daylight saving time (DST) settings can be configured.
Dimensions	89 x 78 x 27 mm.
Mini XLR Pin-outs	Pin 1= GND Pin 2 = LTC+ Pin 3 = LTC+

What's in the box	1 x NTP to LTC module
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Note

Service & Support

It is our goal to make owning and using Datavideo products a satisfying experience. Our support staff is available to assist you to set up and operate your system. Contact your local office for specific support requests. Plus, please visit www.datavideo.com to access our FAQ section.

Please visit our website for latest manual update.

www.datavideo.com/product/NTP-100

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