Nalbantov N-Drive 100

Nalbantov N-Drive 100 USB Floppy Disk Drive Emulator User Manual

Model: N-Drive 100 | Brand: Nalbantov

1. Product Overview

The Nalbantov N-Drive 100 is a USB floppy disk drive emulator designed to replace traditional floppy disk drives in compatible equipment. It allows users to utilize a standard USB flash drive instead of floppy disks, offering increased storage capacity and improved reliability. This version is specifically configured for the E-mu Emax I and its rack version.



Figure 1: Nalbantov N-Drive 100 USB Floppy Disk Drive Emulator. This image displays the front panel of the N-Drive 100, featuring a 2-digit LED display, a USB port, and selection buttons.

2. Package Contents

Your Nalbantov N-Drive 100 package includes the following items:

- Nalbantov N-Drive 100 emulator (configured for your specific equipment)
- Software (PC compatible)
- USB flash drive (formatted and configured with virtual floppies; brand and appearance may vary)
- User's Manual and Mounting Instructions
- Free Technical Support

- Warranty (3 years: 1 year guarantee plus 2 years upon online product registration)

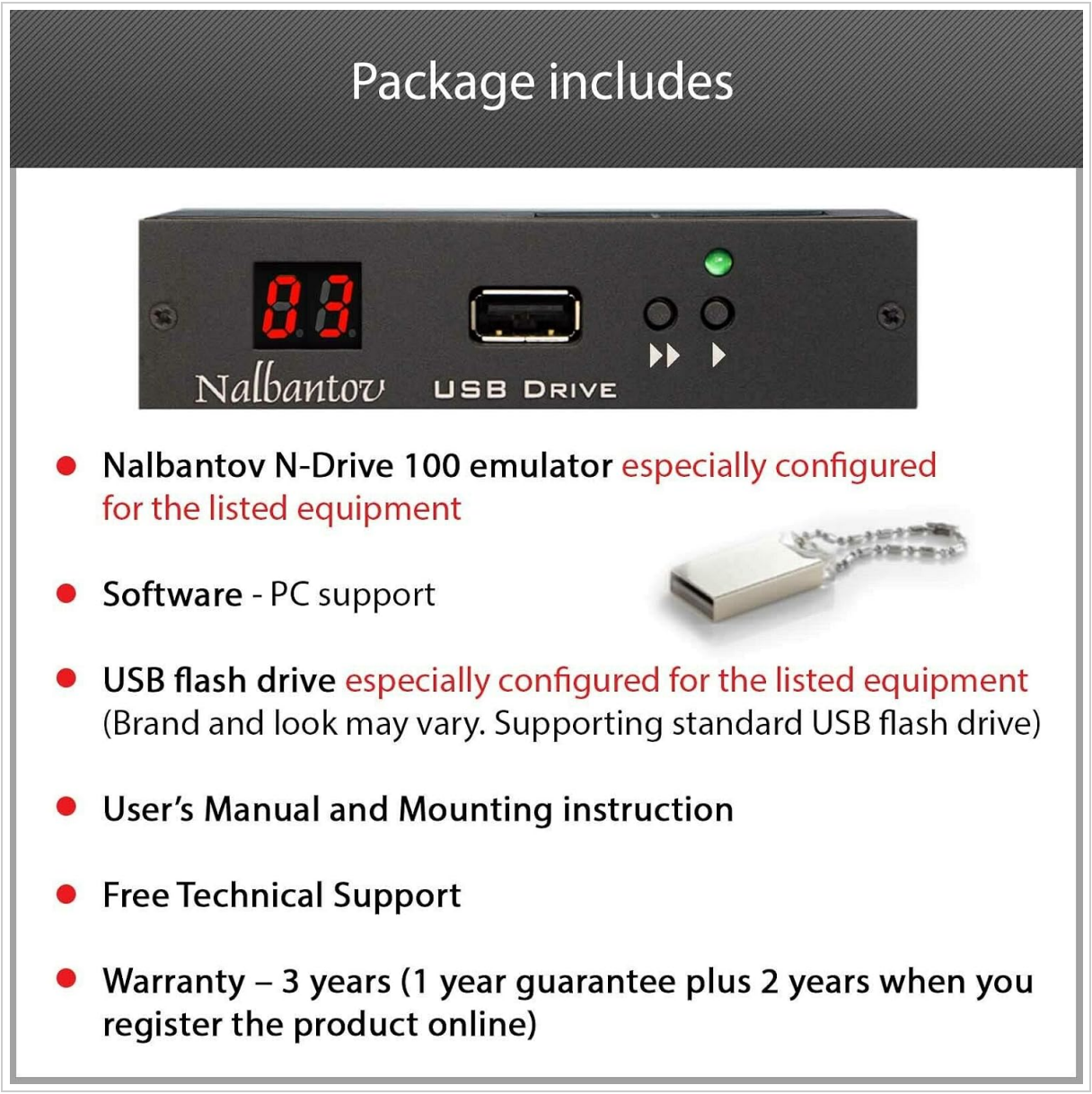


Figure 2: Included components with the Nalbantov N-Drive 100, showing the emulator unit, a USB flash drive, and a list of other package contents.

3. Key Features

The Nalbantov N-Drive 100 offers several advantages over traditional floppy drives:

- **Configurable Hardware Interface:** Supports almost all floppy drive interfaces.
- **Easy to Install:** Plug and Play functionality, requiring no additional drivers.
- **Compatibility:** Same size and connectors as a standard floppy drive, supporting standard USB flash drives.
- **Enhanced Storage Capacity:** Store up to 100 virtual floppy disks on a single USB stick.
- **Reliability:** No moving parts, reducing mechanical failures.
- **Premium and Durable Design:** Features an aluminum front panel, black-anodized and laser-etched.
- **Data Security:** Keeps your data safe on a reliable USB flash drive.
- **User Friendly:** Instant visual management of the current virtual disk via an LED display.

4. Installation Guide

The N-Drive 100 is designed for straightforward installation, often requiring only a screwdriver. It is configured to match the

size and connectors of your original floppy drive.

4.1. Replacing Your Floppy Drive

1. Power off your equipment and disconnect it from the power source.
2. Carefully remove the existing floppy disk drive from your equipment.
3. Connect the Nalbantov N-Drive 100 emulator using the appropriate connectors and ribbon cables provided.
4. Secure the N-Drive 100 in the floppy drive bay.
5. Insert the pre-configured USB flash drive into the N-Drive 100's USB port.
6. Reconnect power and turn on your equipment. The N-Drive 100 should be recognized automatically.



Figure 3: Visual comparison of a device before and after replacing a floppy drive with the N-Drive 100, demonstrating its seamless integration.

4.2. Connector Types

The N-Drive 100 is available with various connector types to ensure compatibility with different equipment. The specific connector will depend on your equipment's requirements.

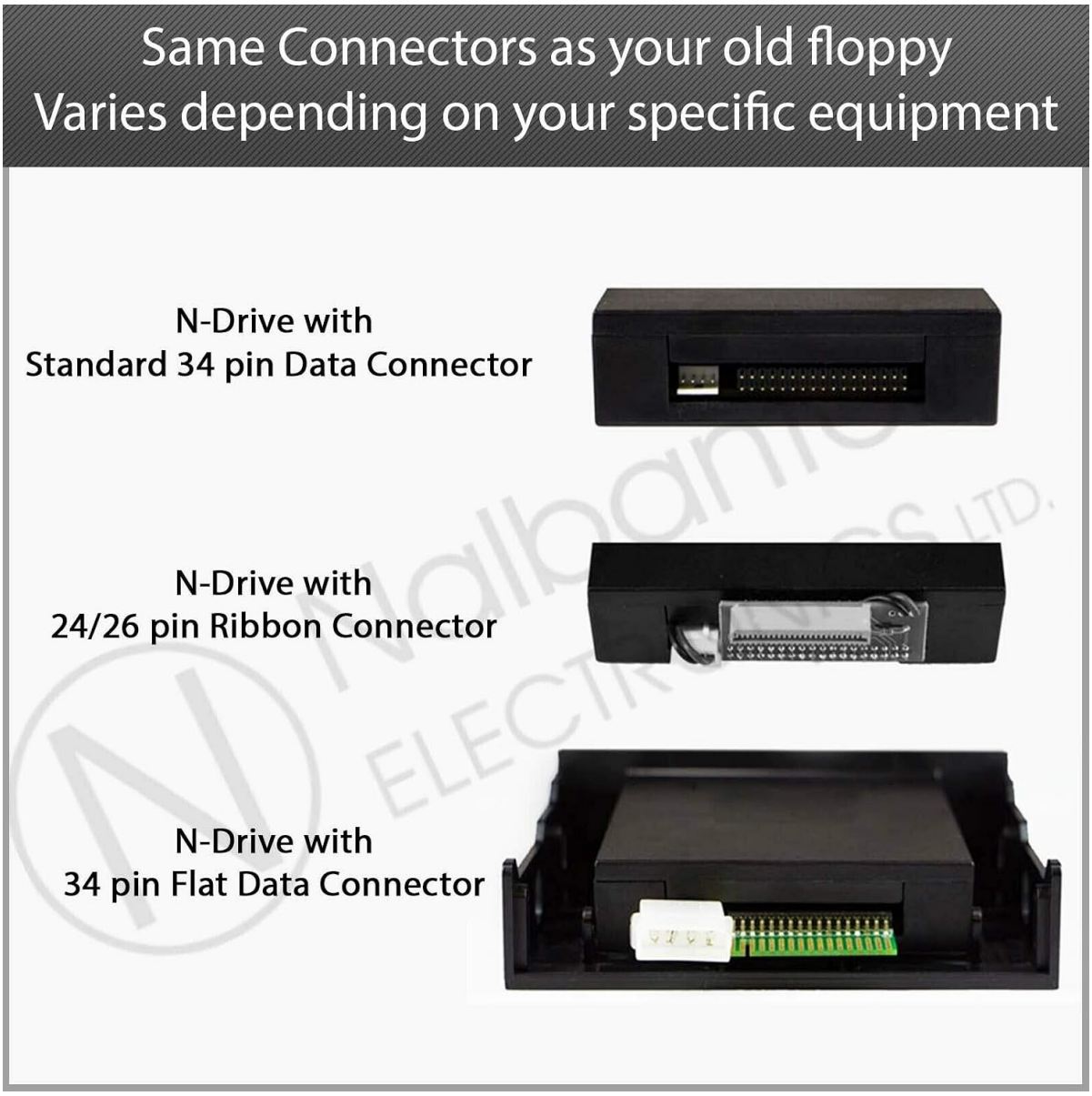


Figure 4: Examples of N-Drive units with different connector types, including Standard 34-pin Data Connector, 24/26-pin Ribbon Connector, and 34-pin Flat Data Connector.

5. Operating Instructions

5.1. Panel Controls and Terminals

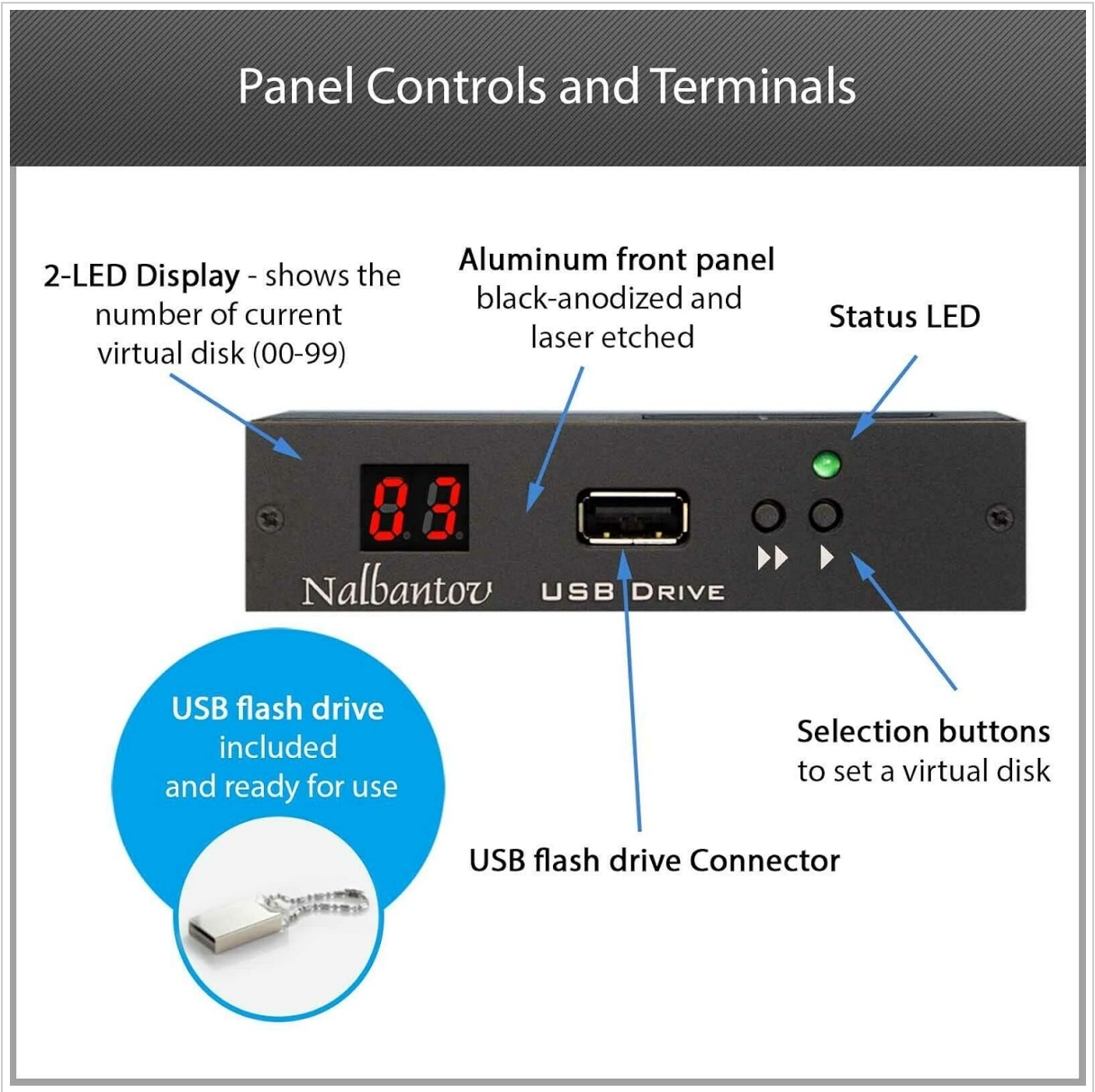


Figure 5: Detailed view of the N-Drive 100's front panel, highlighting the 2-LED Display, USB flash drive Connector, Selection buttons, Status LED, and the aluminum front panel design.

- **Selection Buttons:** Use these buttons to set the number of the virtual floppy disk (00-99). The selected file will load from the USB flash drive.
- **LED Display:** Shows the number of the current virtual floppy disk.
- **Green Indicator (Status LED):** Located above the selection buttons. It flashes when a virtual floppy disk is loading or remains constantly lit when active.
- **USB Port:** Used for inserting a compatible USB flash drive.

5.2. Simple Mode Operation

In Simple Mode, the N-Drive 100 allows for instant usage of your equipment's floppy disk functions, such as reading, writing, copying, and deleting files directly from the USB flash drive.

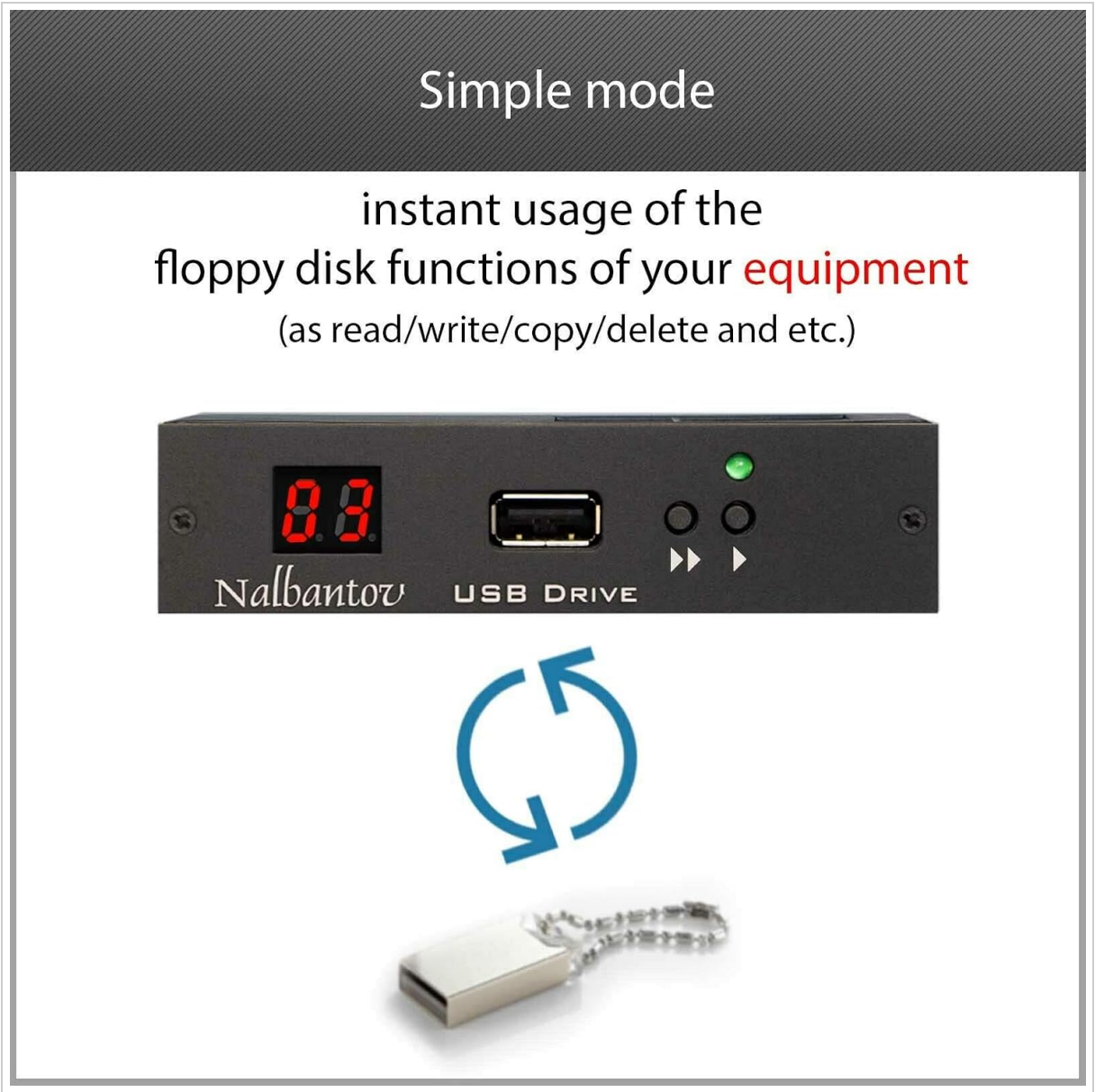


Figure 6: Illustration of Simple Mode, showing the N-Drive 100 interacting directly with a USB flash drive for basic floppy disk functions.

5.3. Advanced Mode Operation

Advanced Mode involves transferring files to a computer or flash drive, performing backups, and handling virtual disk image files using the included PC-compatible software. This allows for greater flexibility in managing your data.

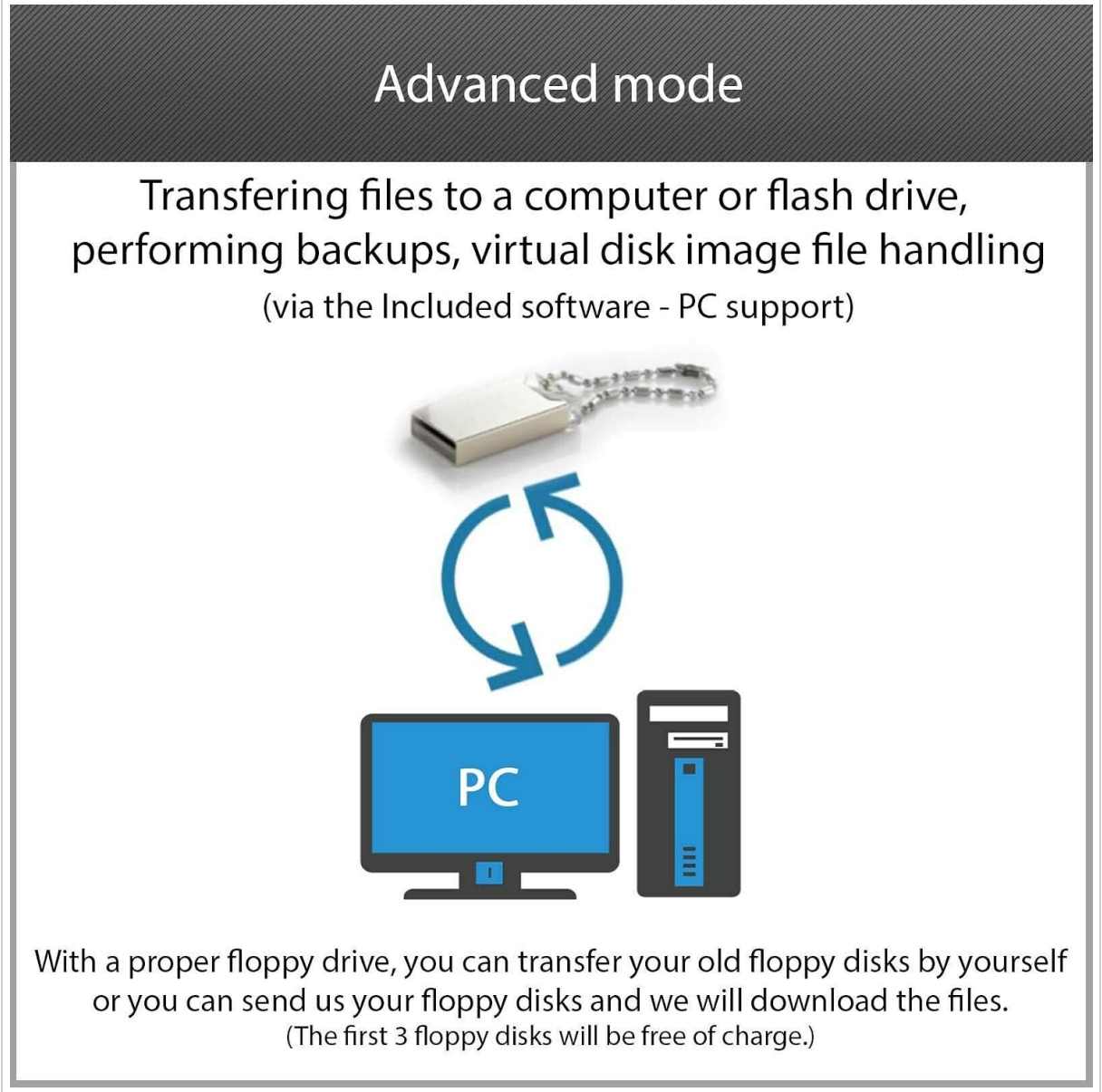


Figure 7: Illustration of Advanced Mode, depicting file transfer and backup operations between a USB flash drive and a PC using the provided software.

6. Compatibility

The Nalbantov N-Drive 100 is specifically designed for the E-mu Emax I and its rack version. While this model offers broad compatibility, users of Mac OS may find limited support. For full Mac OS compatibility, Nalbantov offers alternative emulator models such as the N-Drive 1000 and N-Drive eXtreme.

7. Specifications

Feature	Detail
Model	N-Drive 100
Brand	Nalbantov
Manufacturer	Nalbantov Electronics Ltd.
Connector Type	USB
Storage Capacity	Up to 100 virtual floppy disks per USB stick

Dimensions (L x W x H)	4.8 in. / 12.3 cm x 4.1 in. / 10.2 cm x 1 in. / 2.5 cm
UPC	687765990793

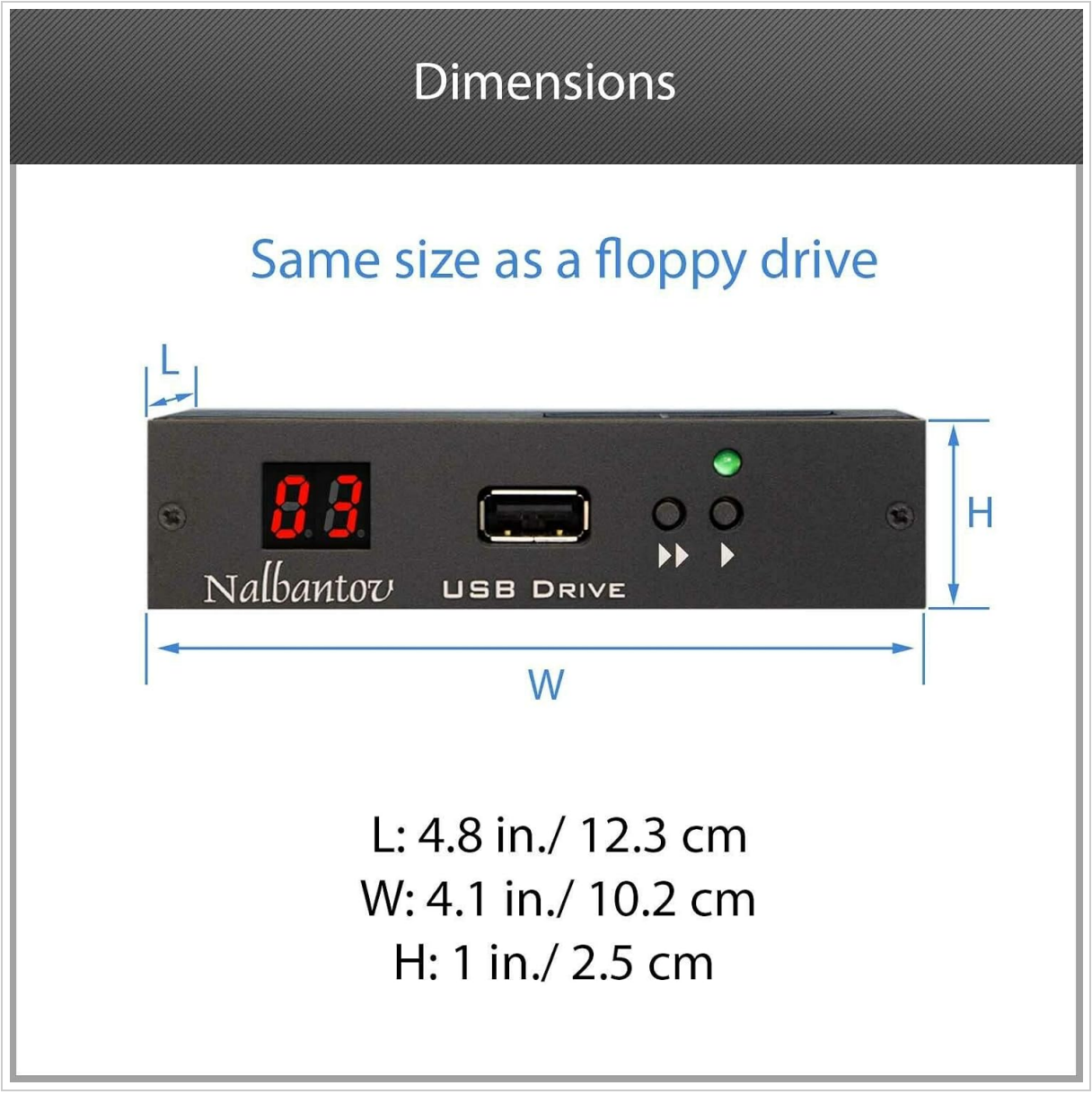


Figure 8: Diagram illustrating the dimensions of the N-Drive 100, showing its length (L), width (W), and height (H).

8. Troubleshooting

If you encounter any issues during installation or operation, please refer to the detailed user manual included in your package. Ensure all connections are secure and the USB flash drive is properly inserted. If problems persist, contact Nalbantov Technical Support for assistance.

9. Warranty and Support

The Nalbantov N-Drive 100 comes with a 3-year warranty (1 year guarantee plus an additional 2 years upon online product registration). Free technical support is provided to assist with any questions or installation guidance.

9.1. Customer Testimonials

Video 1: A customer shares her positive experience with Nalbantov's customer service and the ease of installing the N-Drive emulator in her Yamaha Disklavier piano.

Video 2: A satisfied customer demonstrates the N-Drive 100 on a Yamaha VL1 synthesizer, highlighting its functionality and ease of use.

Video 3: A customer showcases the N-Drive eXtreme installed in an Ensoniq Mirage and EPS, demonstrating how it loads sounds quickly and efficiently.

Video 4: A happy client demonstrates the N-Drive eXtreme on a Disklavier MX100B, showing the seamless integration and operation of the USB floppy emulator.

Video 5: A customer demonstrates the N-Drive eXtreme installed in an Orla GT8000 organ, showcasing its functionality and user-friendly display for selecting files.

Video 6: A general overview of the Nalbantov USB Floppy Drive Emulator, highlighting its features and compatibility with various musical instruments.