

Nalbantov N-Drive eXtreme

Nalbantov N-Drive eXtreme USB Floppy Emulator Instruction Manual

For Yamaha DKC55RCD

1. INTRODUCTION

The Nalbantov N-Drive eXtreme is a USB floppy emulator designed to replace traditional floppy disk drives in compatible equipment, such as the Yamaha DKC55RCD. This device allows you to use a standard USB flash drive instead of floppy disks, offering enhanced storage capacity, reliability, and ease of use. This manual provides detailed instructions for installation, operation, and maintenance of your N-Drive eXtreme.



Figure 1: Front view of the Nalbantov N-Drive eXtreme USB Floppy Emulator.

2. PRODUCT FEATURES

The N-Drive eXtreme offers several key features to enhance your experience:

- **Graphical Display:** A convenient display shows the names of your virtual floppies, improving content identification.
- **Rotary Selector:** Quickly navigate and select content from your USB flash drive.
- **USB Flash Drive Support:** Replaces floppy disks with a reliable USB flash drive for data storage.

- **Durable Construction:** Features an aluminum front panel, black-anodized and laser-etched, ensuring longevity.
- **No Moving Parts:** Increases reliability and data security compared to mechanical floppy drives.
- **PC and MAC Compatibility:** Included software supports both Windows and Apple operating systems for advanced functions.
- **Plug & Play:** Designed for easy installation with compatible equipment, requiring no additional drivers.



NALBANTOV N-DRIVE eXTREME FLOPPY EMULATOR



Figure 2: Labeled diagram of the N-Drive eXtreme's front panel controls and terminals.

3. PACKAGE CONTENTS

Upon opening your Nalbantov N-Drive eXtreme package, please verify that all the following items are included:

- Nalbantov N-Drive eXtreme USB Floppy Emulator (configured for your equipment)
- USB Flash Memory (formatted and configured with virtual floppies)
- Software (compatible with PC Windows and Apple MAC OS)
- Assembly Components (may include suitable connectors, ribbon cables, etc., depending on your equipment)

- User's Manual and Mounting Instructions

N-Drive user feedback



Wonderful! Was able to get it to work on initial installation flawlessly. The USB with pre loaded songs were a delight to listen to as soon as the machine started to play. Thank you very much.

Yamaha Disklavier DKC55RCD

Figure 3: Illustration of typical package contents, including the emulator and a USB flash drive.

4. SETUP AND INSTALLATION

The Nalbantov N-Drive eXtreme is designed for straightforward installation as a direct replacement for your existing floppy drive. It features the same size and connectors as a standard floppy drive, making it a Plug & Play solution for the Yamaha DKC55RCD.

Installation Steps:

1. Power off your Yamaha DKC55RCD and disconnect it from the power source.
2. Carefully remove the existing floppy disk drive from your equipment. Refer to your equipment's service manual if necessary.
3. Connect the N-Drive eXtreme to the floppy drive interface cable and power connector within your equipment.
4. Secure the N-Drive eXtreme in the floppy drive bay.
5. Reconnect your equipment to the power source and power it on.

6. Insert the provided USB flash drive into the N-Drive eXtreme's USB port.

No additional drivers are required for basic functionality. The emulator will imitate the work of a normal floppy drive.



Figure 4: Visual comparison of a traditional floppy drive (Before) and the N-Drive eXtreme (After) installed in equipment.

5. OPERATING INSTRUCTIONS

The N-Drive eXtreme supports both a basic mode for direct floppy disk functions and an advanced mode for file management via computer.

5.1. Basic Mode

In Basic Mode, the N-Drive eXtreme functions identically to a standard floppy disk drive. You can perform all typical floppy disk operations directly from your Yamaha DKC55RCD, such as reading, writing, copying, and deleting files on the virtual disks stored on the USB flash drive.

- Insert the USB flash drive into the emulator.
- Use the selection buttons or rotary selector on the emulator's front panel to choose a virtual disk. The graphical display will show the virtual disk's name.

- Operate your Yamaha DKC55RCD as you would with a physical floppy disk.

Basic mode

instant usage of the
floppy disk functions of your equipment
(as read/write/copy/delete and etc.)



Figure 5: Basic Mode operation, illustrating direct usage of floppy disk functions.

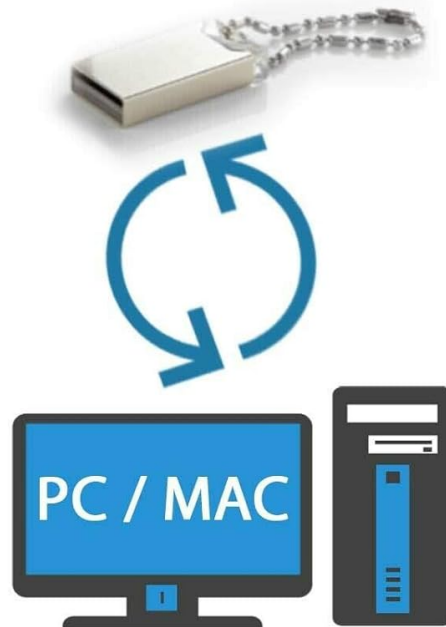
5.2. Advanced Mode

Advanced Mode allows you to manage your virtual disk files using the included software on a PC or MAC. This mode is useful for transferring files, performing backups, and handling virtual disk image files.

- Remove the USB flash drive from the N-Drive eXtreme.
- Insert the USB flash drive into your computer (PC or MAC).
- Use the provided Nalbantov software to access and manage the virtual disk images on the USB drive. This includes creating new virtual disks, copying files to and from them, and backing up your data.
- After managing files, safely eject the USB flash drive from your computer and reinsert it into the N-Drive eXtreme.

Advanced mode

Transferring files to a computer or flash drive.
Performing backups, virtual disk image file handling
(via the Included software - PC and MAC support)



With a proper floppy drive, you can transfer your old floppy disks by yourself or you can send us your floppy disks and we will download the files.
(The first 3 floppy disks will be free of charge.)

Figure 6: Advanced Mode operation, showing file transfer and management between the USB drive and a computer.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your N-Drive eXtreme.

6.1. "ERROR: Can't read disk." Message

If your equipment displays an error message indicating it cannot read the disk, consider the following:

- **USB Flash Drive Not Inserted:** Ensure the USB flash drive is fully inserted into the N-Drive eXtreme's USB port.
- **Incorrect Virtual Disk Selected:** Verify that the correct virtual disk is selected on the emulator's display. Use the rotary selector or selection buttons to choose the appropriate virtual disk.
- **Corrupted Virtual Disk:** The virtual disk image on the USB drive might be corrupted. Try accessing a different virtual disk or re-formatting the USB drive and re-creating the virtual disks using the Nalbantov software.
- **USB Flash Drive Issue:** The USB flash drive itself might be faulty. Try using a different, known-good USB flash drive.

- **Compatibility:** Ensure the USB flash drive is formatted correctly and compatible with the N-Drive eXtreme (the included USB drive is pre-configured).

No more unreadable floppy disks and corrupted files

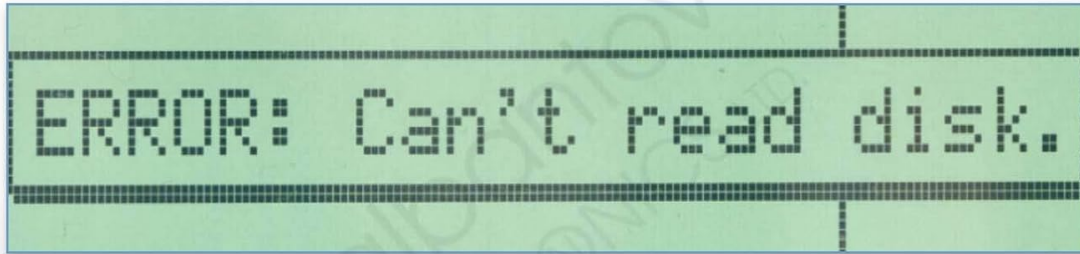


Figure 7: Example of an error message indicating an unreadable disk.

6.2. Emulator Not Powering On

- **Power Connection:** Check that the N-Drive eXtreme is correctly connected to the power supply within your equipment.
- **Equipment Power:** Ensure your Yamaha DKC55RCD is powered on.

For further assistance, please refer to the support information in Section 8.

7. SPECIFICATIONS

Feature	Description
Model	N-Drive eXtreme
Compatibility	Yamaha DKC55RCD (and other compatible equipment)

Interface	Floppy drive interface (internal), USB (external)
Storage Medium	USB Flash Drive
Front Panel Material	Aluminum (black-anodized, laser-etched)
Display	Graphical display for virtual disk names
Controls	Rotary selector, selection buttons

8. MAINTENANCE

The Nalbantov N-Drive eXtreme is designed with durability and minimal maintenance in mind, featuring no moving parts.

- **Cleaning:** Use a soft, dry cloth to gently wipe the front panel and display. Avoid abrasive cleaners or solvents.
- **USB Flash Drive Care:** Always safely eject the USB flash drive from your computer before removing it. Protect the USB drive from physical damage and extreme temperatures.
- **Firmware Updates:** Periodically check the Nalbantov Electronics website for any available firmware updates for your N-Drive eXtreme. Follow the provided instructions carefully for any update procedures.

9. WARRANTY AND SUPPORT

Nalbantov Electronics offers professional support for its products. For any technical issues, questions, or warranty claims, please contact Nalbantov Electronics directly. Refer to the contact information provided in your product packaging or on the official Nalbantov Electronics website.

Nalbantov Electronics has been providing customized equipment since 1978 and is committed to customer satisfaction and support.