About Hamilton Electronics

Hamilton Electronics is a leader in the design and manufacturing of electronics and presentation equipment for education. From our humble beginnings in 1933, Hamilton has grown to be a true innovator in the educational electronics market. Our mission is to enhance the teaching and learning experience through innovative classroom technology.

In addition to the millions of students and teachers who use Hamilton products, more and more businesses, government agencies and individuals are using Hamilton presentation equipment for training and instruction. We look forward to serving all your educational electronics and presentation equipment needs for years into the future.

Technical Support & Warranty Info

The Hamilton USB Transfer Express is warranted to be free of defects for a period of **1 year** from date of purchase. Defective systems will be either repaired or replaced at the discretion of Hamilton Electronics.

Free technical support is available via email. All questions will be answered promptly during normal business hours (9AM-5PM Monday through Friday, EST) via phone or email.

For warranty service or technical support contact:

techsupport@hamiltonelectronics.com

Hamilton™
USB TRANSFER™ EXPRESS

```
IMPORTANT:
DO NOT REMOVE OR DISCONNECT ANY
USB DEVICE WHILE ANY LED IS FLASHING.
```

Introduction.

The Hamilton USB Transfer Express is a standalone USB Duplication System which provides a fast and easy way to copy a folder containing data, images or music files to a maximum of fifteen USB Flash Memory drives simultaneously.
It can also be used to copy a folder from up to fifteen USB Flash Memory drives onto one Flash Memory drive.

Two Duplicators can be Daisy Chained, to increase the maximum number of simultaneous copies from 15 to 30. All functions are indicated by Flashing LED's to indicate function in progress.

General information

- This product is designed to be used with USB memory devices (pen drives, external hard drives, computers etc.) which conform to the USB 2.0 specifications. Connecting a device to this product that does not conform to this specification, may invalidate the warranty, and could result in unpredictable results.
- Do not use this device to copy any material which may be subject to copyright, intellectual property rights, or without permission of the owner of the property, prior to copying.
- Files to be copied with this product must be free of malicious software, including viruses, worms, spyware, malware, Trojan horses etc.
- **External USB hard drives must be powered by their own power packs.**
- Use only the power pack supplied with this equipment. Failure to do so may invalidate the warranty.

NOTE:
For Data Security, no copied files are permanently stored in the Duplicator.

Frequently asked Questions.

Q. Can I copy to different sized USB memory devices at the same time?
A. Yes, as long as they are all USB compatible devices.

Q. Can I copy any type of file?
A. Any type of file can be copied as long as it is contained in a folder named "Source" or "Target". (see page 4, "Formatting USB Flash drives).

Q. Can I copy to or from my MP3 or MP4 player?
A. Yes. (see page 4, "Formatting USB Flash drives).

Q. Can I copy a folder, to or from, an iPod or iPhone?
A. No, these items are not accessible as standard USB memory devices.

Q. When I copy to several **Target** drives, they all finish at different times.
A. This is normal. Some USB drives read and write faster than others.

Q. When I insert a new **Target** or **Source** drive, do I have to wait for it's LED to stop flashing before I do something?
A. Yes, wait for the LED/s to stop flashing, to ensure the drive/s will be used.

Q. Will the **Erase** function remove all folders on the **Target** drive/s, or just the **Target** folder/s?
A. It will erase all folders, leaving the drive completely blank.

Erase function.

This simply erases all files on the Target drives.

Press and holding the **Erase** button for **three seconds**, the erase cycle will start. During the erase cycle, the **Target drive** LED's will flash green. When erasure is complete, the LED's will go steady green and the **Erase** LED will go out. If any of the Target **drive/s** is faulty, then the LED for that drive will go red. The **Erase** LED will also go red. Once the faulty **Target drive/s** is removed, the **Erase** LED will go green. Now press the **Erase** button to restart the erase cycle. Alternatively, press the **Cancel** button to cancel the operation.

Copy Source to Target function.

With a **Source** drive (containing a folder called Source) plugged into the source socket, and at least one **Target** drive plugged into any **Target** socket, press the **Copy Source to Target** button. The LED's on the **Source** & **Target** drives and the "Copy Source to Target" button will flash Green, while the **"Source"** folder is copied to the **Target** drives. When copy is complete, the LED on the **Copy Source to Target** button will switch off, and the LED's on the completed **Target** drives will be green. The **Source** and **Target** drives can now be removed.

If a **Target** drive LED goes red, it is either faulty or has insufficient space for the **Source** folder. The **Copy Source** to **Target** button LED also goes red to indicate that some units need to be erased or removed.

We now have 3 options:

Option 1: Remove the drives with insufficient space

Option 2: Cancelled with the cancel button.

Option 3: Pressing the "Erase" button will **Erase** the largest **Target** drive.

This will erase all files on Target drives showing red LED's. During the Erase operation, the LED's will flash green on the Target drives with insufficient space, and the devices must not be removed. After the erase the **Copy Source to Target** operation will take place.

Copy Target to Source function.

With a folder named "**Target**" in each **Target** drive, and a **Source** drive plugged in, press the **Copy Target to Source** button. The **Source** & **Target** drives LED's will all flash green. When the Copy is complete, the **Source** & **Target** LED's will be a steady green, and the **Copy Target to Source** LED will go out.

It is possible that there simply isn't room on the source drive to copy all the files from the Targets. In this case, the LED on the Target drive with the largest content goes red. Also, the **Copy Target to Source** LED and the Source drive LED, goes red.

We now have 2 options:

Option 1: Remove the source drive, and install another drive with larger capacity, or press the Cancel button and the operation will be cancelled.

Option 2: Remove the Target drive showing a red LED. (If there is now sufficient space on the source drive for the copy process, the Source LED and the **Copy Target to Source** button LED will go green). Alternatively, press the Cancel button and the operation will be cancelled.

Now press the **Copy Target to Source** button and the operation will start.

If the **Copy Target to Source** button LED remains red, then repeat Option 2 until it goes green.

How to Daisy Chain two Duplicators.

It is possible to connect two Duplicators together, to simultaneously copy up to 30 USB sticks, using one duplicator as a Master Unit.

To connect two Duplicators together:

1. Remove power from both units.
2. Connect the units by means of a USB 2.0 cable (Type A to Type B), insert one end of the cable in the "**Daisy"** socket of the Master Unit, and the other end of the cable in the "**Computer"** socket of the second Duplicator.
3. Now power up the Duplicators, and use the Master Unit to control the Copy process.

Note: In this mode, the pushbuttons on the slave unit are inoperative.

Specifications:

Compatible with USB 2.0 *Drives**.

Connectors:
1x USB A Source socket,   15x USB A Target sockets,
1x Computer socket,   1 x Daisy Chain socket,
1x 2.5mm DC power socket.
Pushbuttons:
Copy to Target Drives,   Copy to Source Drive,
Erase Target Drives,   Cancel
Indicators:
One RED/GREEN LED for each pushbutton and slot.
Power supply:
External SMPS unit.
Input: 100VAC to 240VAC.
Output: 19v DC @ 2 amps.
UL Listed, FCC approval under Part 15 of FCC Regulations.

When a function is in operation, the LED for that button will be illuminated.
It is not possible to cancel an operation once it has started (LED's are flashing). However when there is a fault condition, i.e. a solid Red LED, then it is possible to press the cancel button and stop the operation.

QuickStart

1. Formatting USB Flash Drives.
Plug the **SOURCE drive** into a computer, and create a folder called **"SOURCE"** in the root directory. Copy all files destined for the **TARGET drives** into this folder.

2. Power ON (with no drives inserted).
During boot up, the **Source** LED shows green for 30 seconds, ALL the **Target** & Pushbutton LED's go briefly green, then red, then off. The **Source** LED then goes red.

3. Inserting a Source Drive.
When a **Source drive** is plugged in, the LED will flash briefly green and then turn green. If the **Source drive** is faulty, the LED will stay RED.

4. Inserting Target Drives.
When a **TARGET drive** is plugged in, the LED will briefly flash green and then off. If the **TARGET drive** is faulty, the LED will turn RED.
Note: Files are only copied from within the **"Target"** folder on the drive.

Before you Copy.
Since the **"Erase"** and "**Copy Source to Target**" functions usually result in data being permanently erased from **Target** drives, we suggest that you first make a backup of the **Target folder** from each **Target** drive, using the following method:

Copy all the data to the **Source** drive with the "**Copy Target to Source**" button. This way, the **Target** folder on each **Target** drive is now copied onto the **Source** drive.

Hamilton™
USB TRANSFER™ EXPRESS

User's Guide

www.HamiltonElectronics.com

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. AVOID INSTALLING THE UNIT IN THE FOLLOWING LOCATIONS:

- Areas exposed to direct sunlight or close to heat radiating appliances such as electric or gas heaters etc.
- On top of other electronic equipment which may radiate heat.
- Places lacking ventilation.
- Area subject to humid, moist or dusty conditions.