

KWALITY ENTERPRISES ( INDIA , AMRITSAR )

# User Manual

## Floppy Manager Tutorial

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Software Required for Type-F Emulators Only

Software Works in:  
Windows-XP, Windows-2000  
Windows 7 ( 32Bit )

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## Format Utility User's Guide

( Software formatting is only required for Type-F version of floppy emulators )

### Works only in : Windows-XP / Windows 2000

**Note: To avoid unnecessary trouble to you, please read the underlined part.**

This software supports and automatically English Win2000 and XP operating systems. This software can be used for replacing standard 1.44 Floppy Drive in computers, industrial machines, embedded systems, textile embroidery, lettering, trademarks, Ribbon and other equipment.

Before use, close the Explorer, USB Pen-Drive disk page. And to make sure that there are no programs currently in use USB Pen-Drive.

Formatting tools mainly for the following three pages, each page within the "Information Tip:" area will show the current operation carried out by

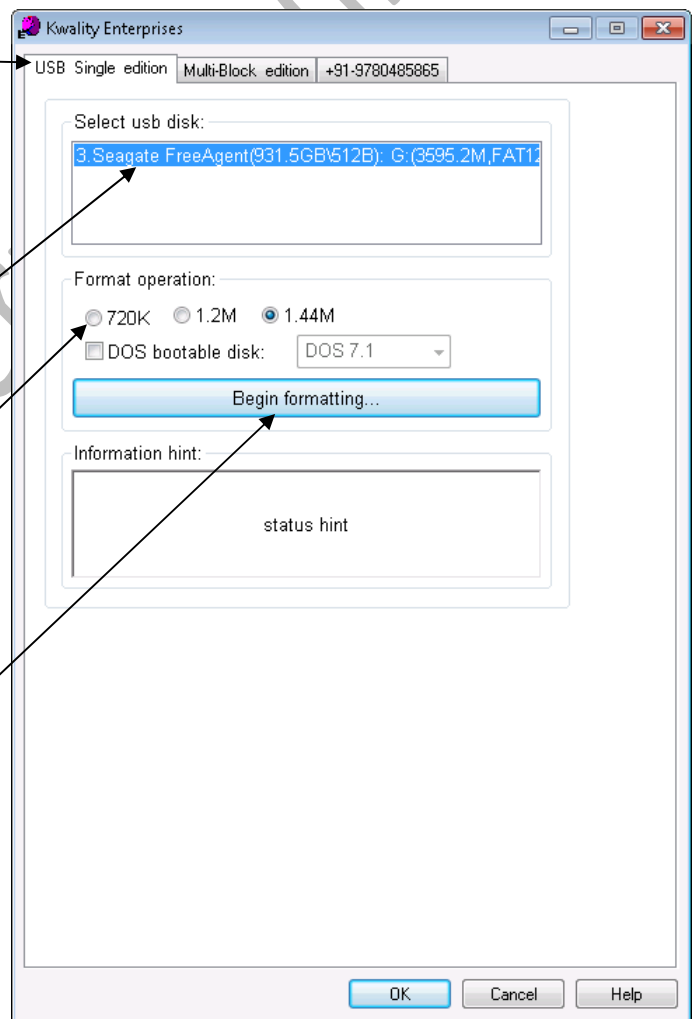
#### Single Floppy Format

This page is used for formatting the USB Pen

Drive to equipment needed **Single floppy disk format** (720K, 1.2M, 1.44M), i.e to be treated as one floppy disk.

Use:

- 1.) In "Choose the Removable Disk:". Select the required USB Pen Drive.
- 2.) In "Formatting Operation:", the first choice will be converted USB Pen Drive format (720K, 1.2M, 1.44M).
- 3.) If required to create DOS boot disk, then Select the option & click on "Start Format" button to start formatting.
- 4.) Formatting is complete, you are prompted to complete format and re-load the USB Pen Drive.



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COMPAQ



Kwality Enterprises (India)



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Authorised Partner  
Warranty Service Associate



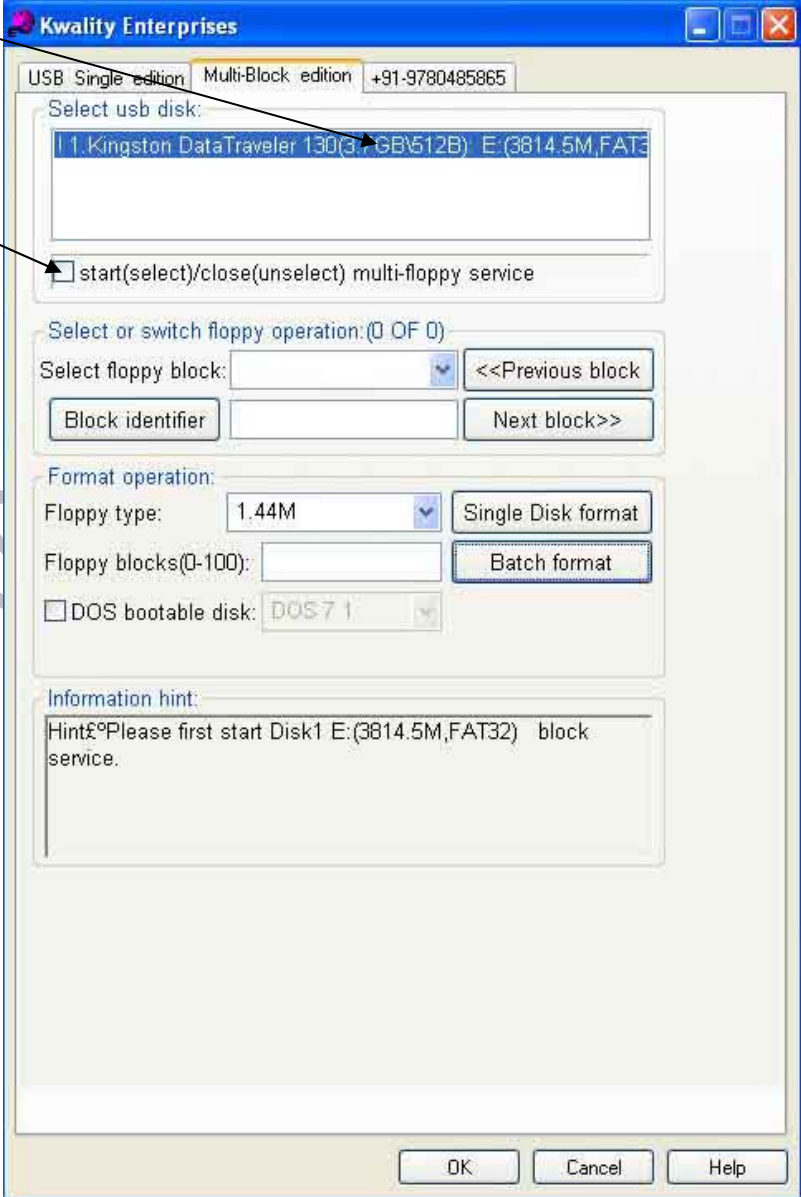


## \*\*\*Note: The Multi-Block feature of this application does not work in Vista/Windows-7 **Multi- floppy Service**

This page is used for formatting the USB Pen Drive to **100 Blocks** of equipment needed floppy disk format (720K, 1.2M, 1.44M), i.e **to be treated 100 floppy disks**.

How to Use:

- 1.) In "Choose the Removable Disk:", select the required USB Pen Drive
- 2.) Select the "Enabling (checked) / Off (Cancel)" Multi Floppy Service
- 3.) If the USB Pen Drive has already been formatted using Multi-Floppy Service you can switch to already formatted floppy label as flppy0 to flppy99 ( 100 Blocks ) .



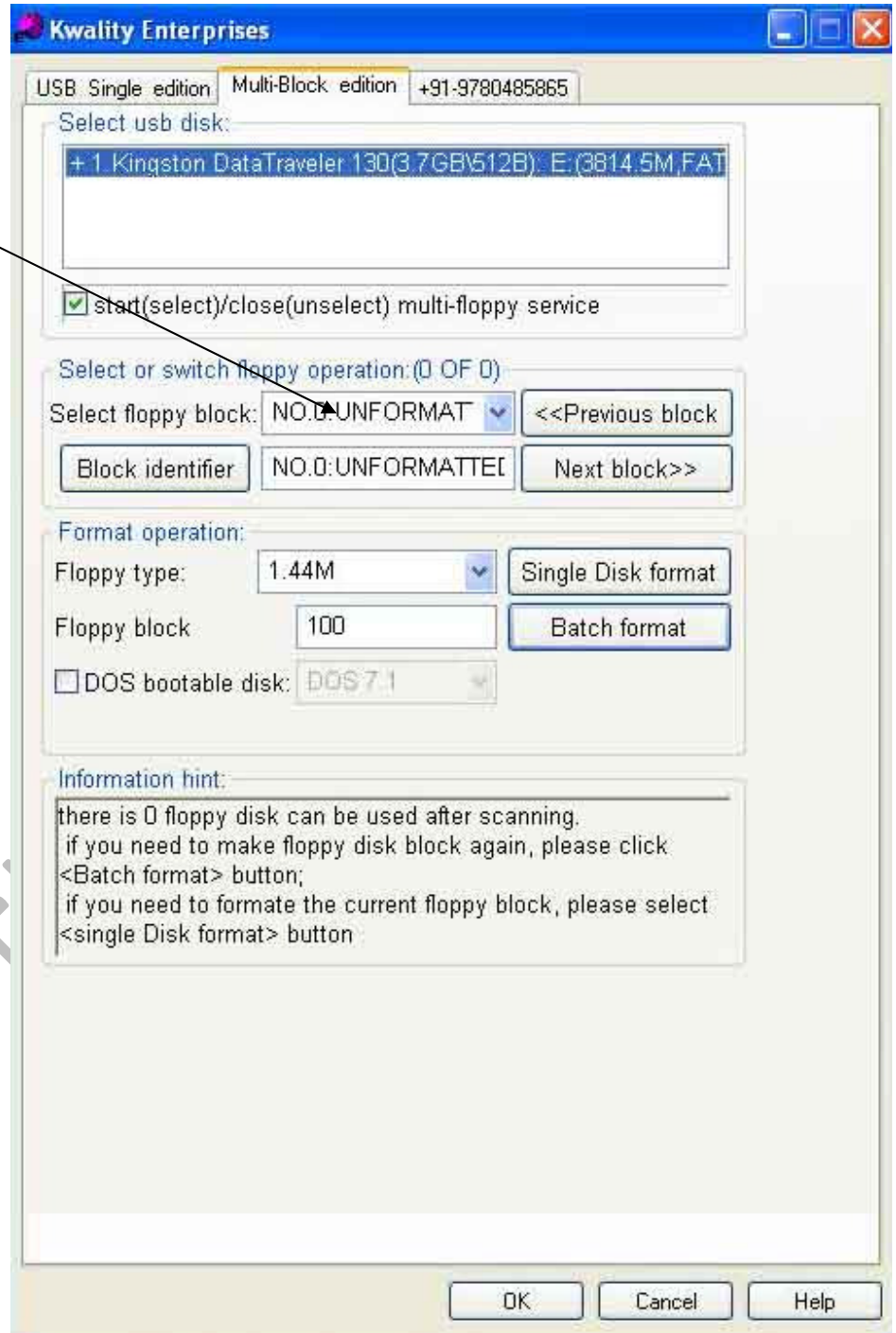
The screenshot shows the 'Kwality Enterprises' application window with the 'Multi-Block edition' selected. The interface includes the following elements:

- Windows title bar: 'Kwality Enterprises' with standard minimize, maximize, and close buttons.
- Navigation tabs: 'USB Single edition', 'Multi-Block edition', and a phone number '+91-9780485865'.
- 'Select usb disk:' section: A list box containing '1. Kingston DataTraveler 130(3.1GB,512B) E:(3814.5M,FAT32)'. An arrow from the instructions points to this list box.
- 'start(select)/close(unselect) multi-floppy service' section: A checkbox that is currently unchecked. An arrow from the instructions points to this checkbox.
- 'Select or switch floppy operation:(0 OF 0)' section: A dropdown menu for 'Select floppy block:' with '<<Previous block' and 'Next block>>' buttons. A 'Block identifier' field is also present.
- 'Format operation:' section: A 'Floppy type:' dropdown set to '1.44M' with 'Single Disk format' and 'Batch format' buttons. A 'Floppy blocks(0-100):' field is empty.
- 'DOS bootable disk:' section: A checkbox that is unchecked and a dropdown menu set to 'DOS 7 1'.
- 'Information hint:' section: A text box containing the message: 'Hint&°Please first start Disk1 E:(3814.5M,FAT32) block service.'
- Bottom buttons: 'OK', 'Cancel', and 'Help'.



If USB Pen Drive has not been formatted using this option, then it will Show **“UNFORMATTED”**

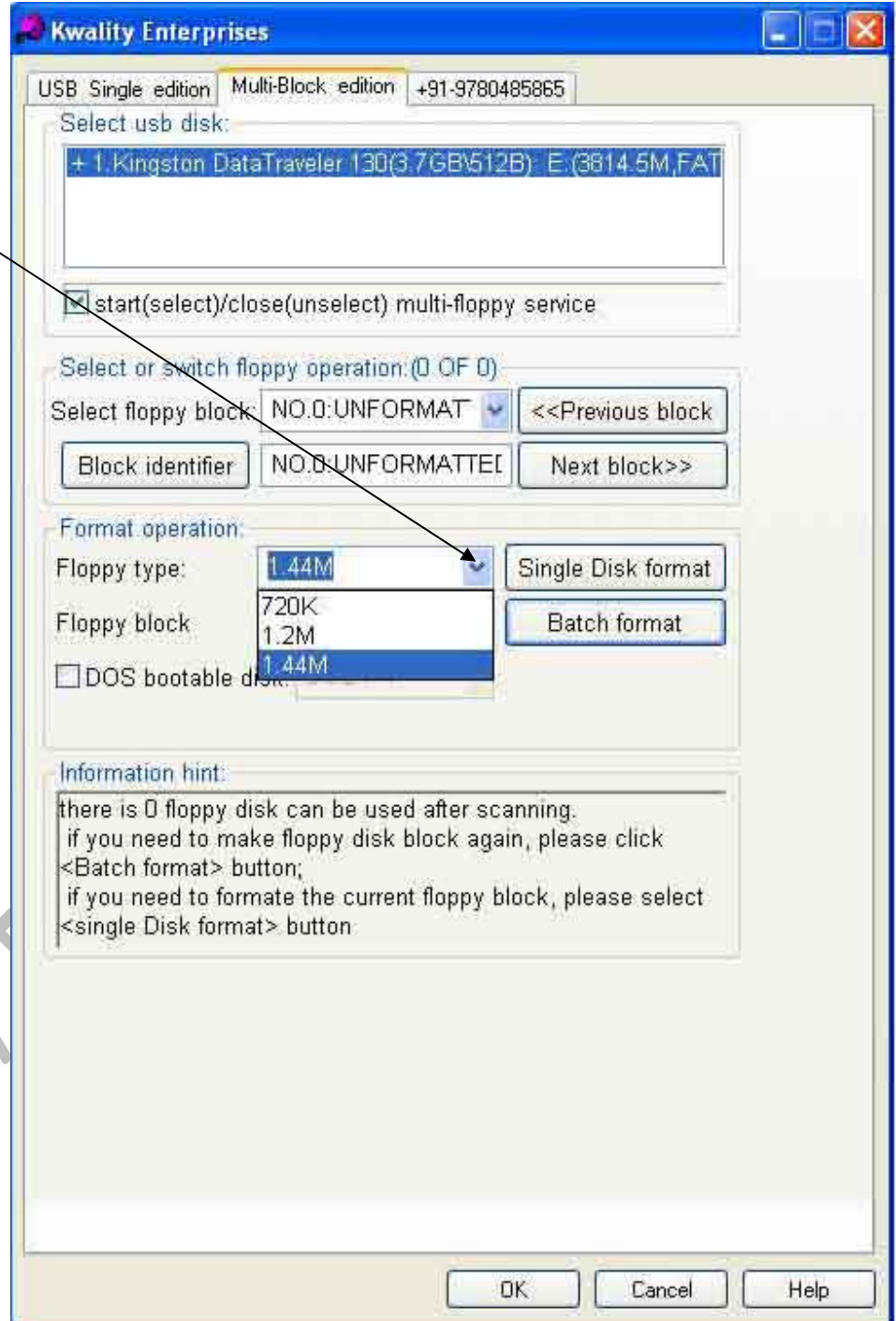
Selecting the relevant block will automatically change the current selection on USB Pen Drive i.e program will automatically re-load the USB Pen Drive with selected block-id .



Kwality Enterprises



In Order to format a USB Pen drive into 'n' number of blocks – Select the type of floppy format by clicking on drop down menu. Select your option ( 720 KB, 1.2mb , 1.44 mb )



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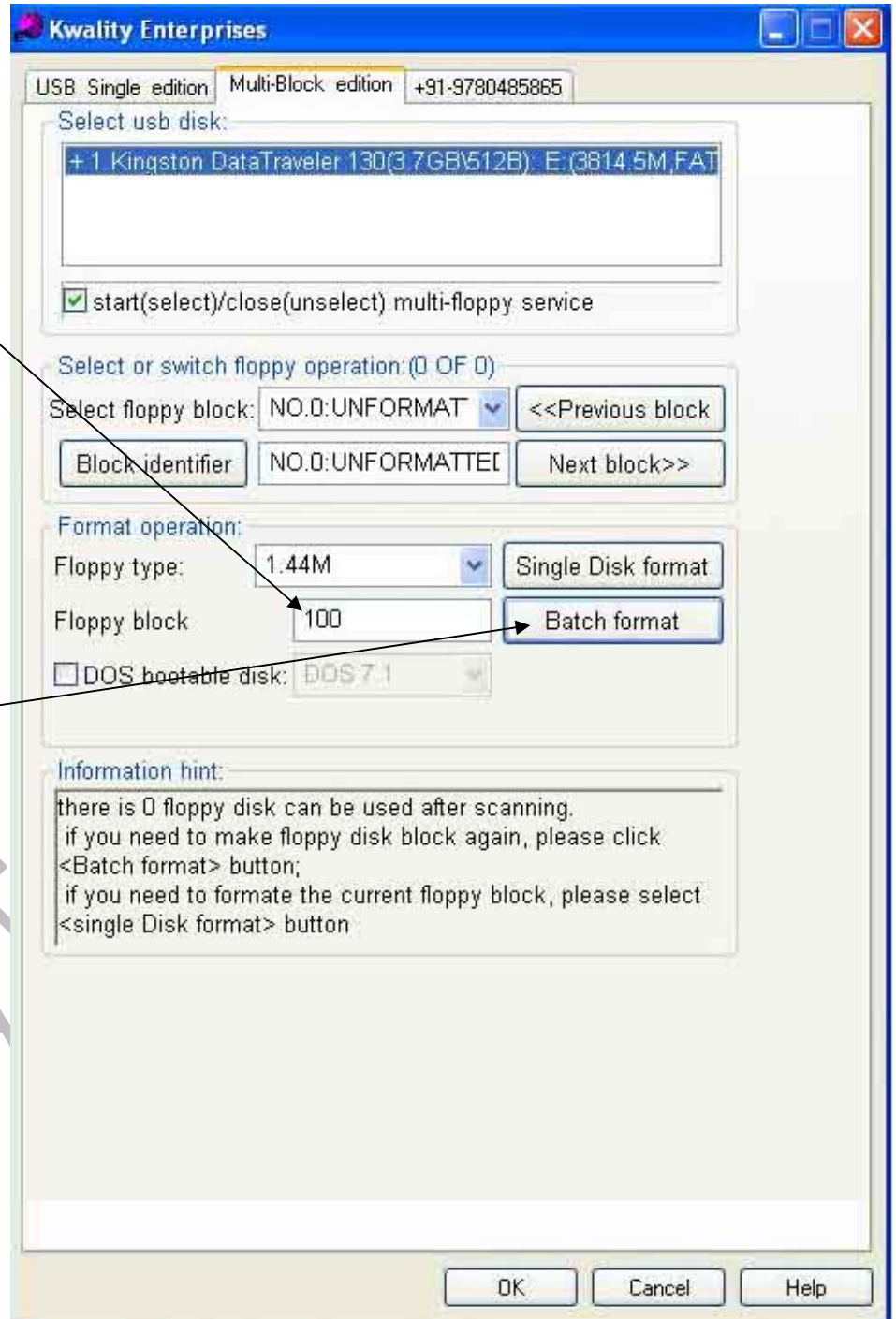
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And then type the Number of Blocks you want to make of 1.44 mb Capacity ( as selected above )

Click on Tag

“Batch format” to start formatting with options selected above



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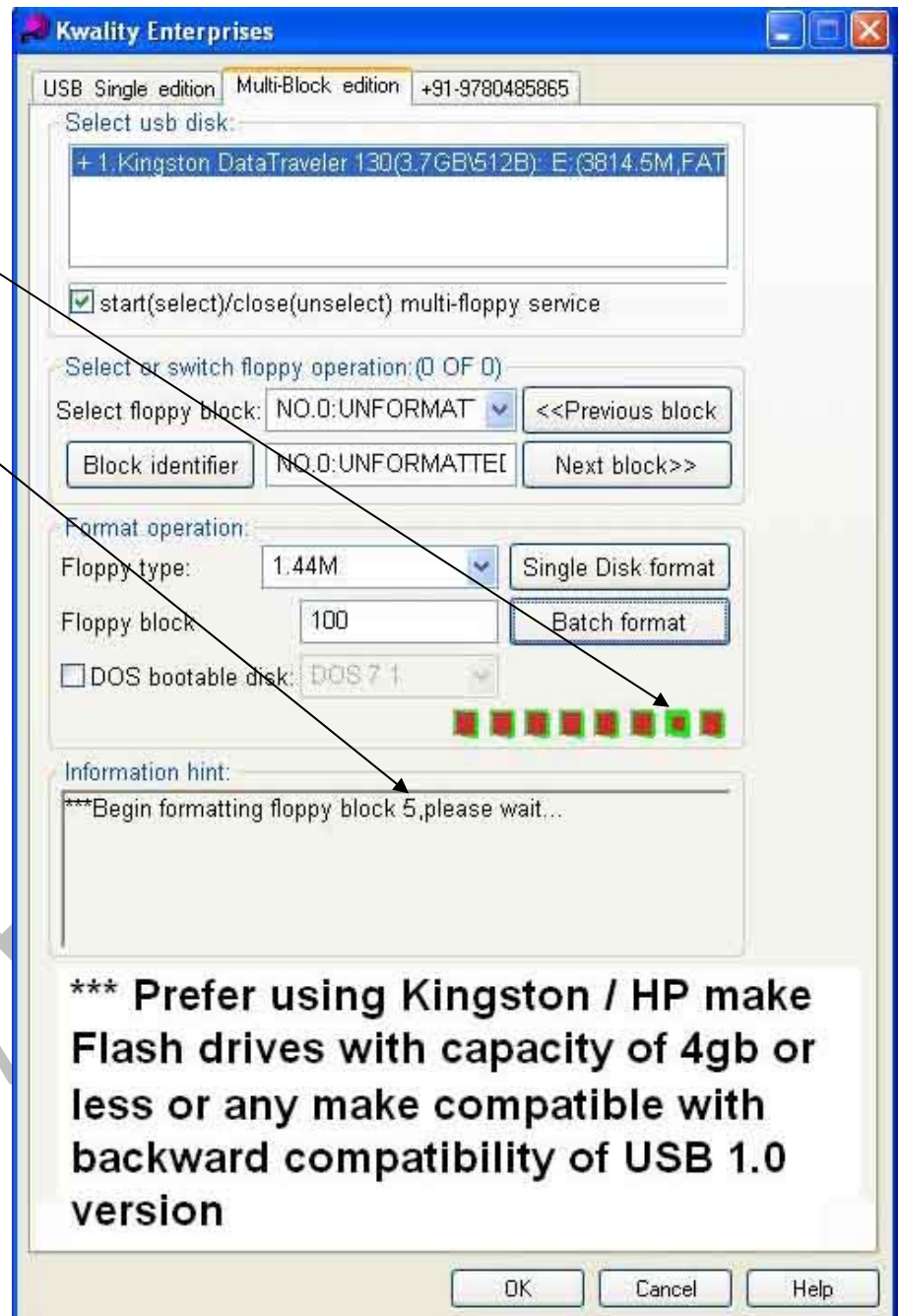


80, Queens Road, Near Hotel Sun City Towers, Amritsar. Tel.: 0183-2564554, 2224554 E-mail: sales@keindia.com



Once you click “Batch Format” the software starts dividing the USB Pen Drive into number of blocks and then formatting each block.

**Note : Prefer Using Kingston/ HP make flash drives with capacity of 4gb or less or any make that support backward compatibility with USB 1.0 . In some equipments USB 2.0 in not supported. Please refer to your manufacturer before buying Flash drive of any other make.**

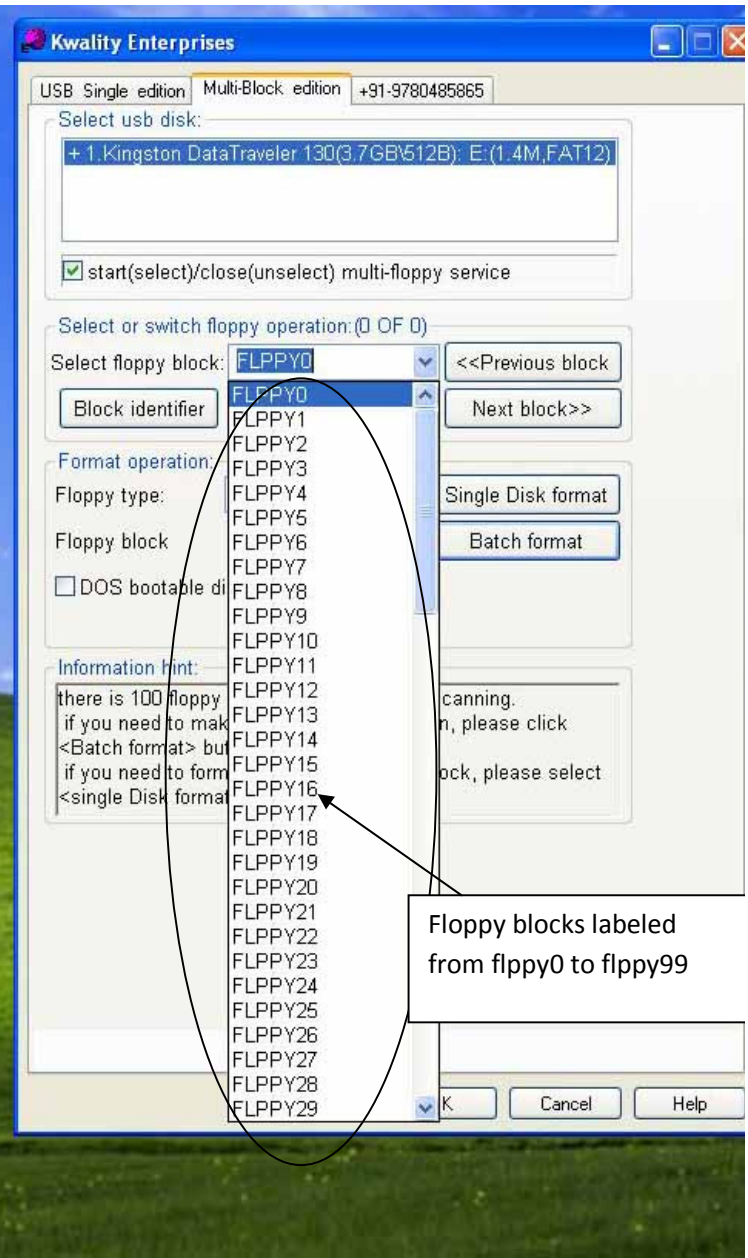
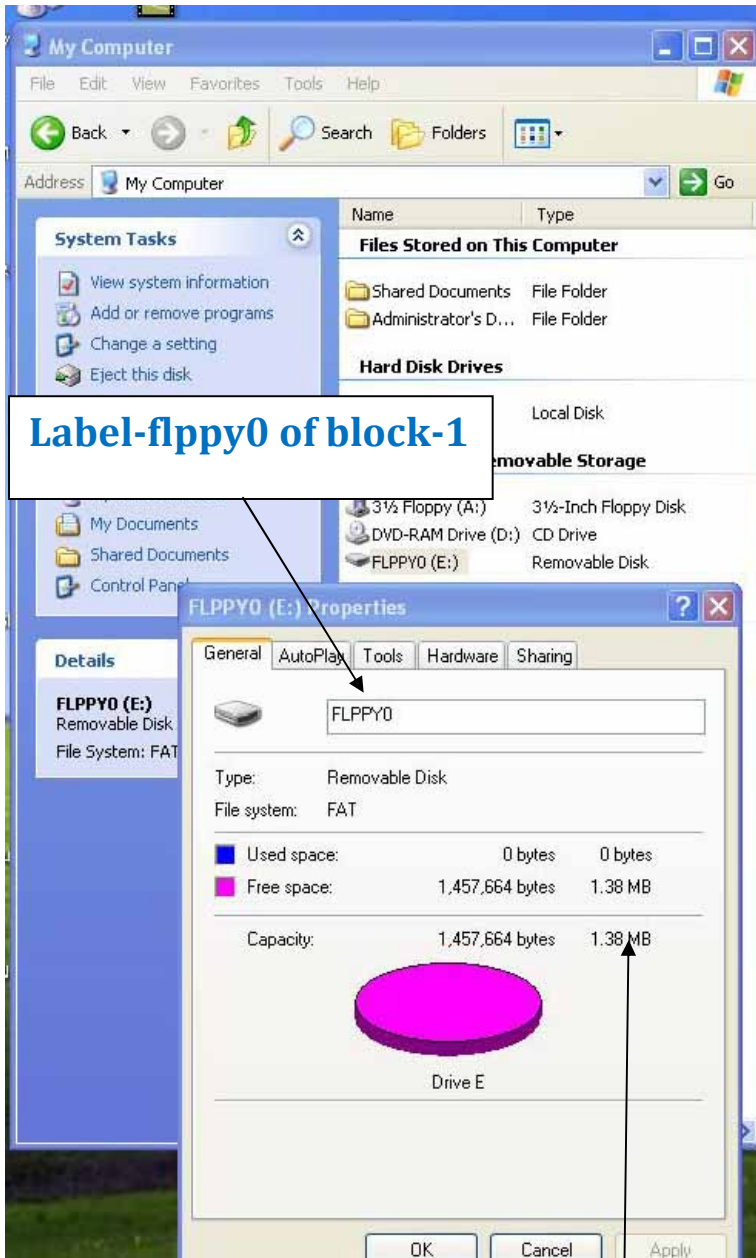


The “Multi Floppy Service” must be cancelled prior to the closure must be cancelled, Enabling (checked) / off (cancel) otherwise it will affect the normal use of U disk.



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**As per selection: After formatting 100 Blocks of 1.44 mb capacity have been created which are labeled ( flppy0 to flppy99 ) and can be individually selected from drop down menu for data transfer. Size of flppy0= 1.38mb formatted ( 1.44 mb Unformatted)**





**Example : After we select block-22 i.e flppy21 ( as block-1 is represented by flppy0 )**

**Capacity of newly selected block is also 1.44 mb. So data copied on flppy0 can be accessed by selecting the flppy0 from drop down menu and so.**



## The mapping of Blocks created in software when plugged onto Emulator Unit

On Emulator	Image on Emulator
00-means ready with block-1 ( flppy0 in software)	
99-means ready with block-100 ( flppy99 in software)	

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## Scenario – Data transfer on Knitting / Weaving machine (Staubli, Bonas, Fukuwara etc using 1.44Type-F Version Emulator)

### 1.44 Type-F unit currently does not work on Muller-1/2

Our unit works perfectly on Staubli JC3, JC4, JC5, Bonas 200/250/300/400/500, Tajima , ZSK, SWF, CNC machines. Everything works as if you were working on floppies, just the media changes to Pen Drive instead of floppies. The unit is just the replica of legacy 1.44 mb FDD , looks like that , uses same 34 pin channel and same power connectors. The unit just befools the whole apparatus as if it were working on same floppy method.

So, for data files greater than 1.44 mb ( that does not fit into single floppy disk ), if you have 10 jacquards , then u need to buy 11 units in total ( 1 for installation computer - as we will use this unit to transfer the design to pen drive )

The process is as follows:

#### On Computer

- 1.) We will divide a pen drive into 100 partitions of 1.44 mb capacity each. ( Software & User Manual provided on CD )
- 2.) Attach a unit in computer thereby replacing the floppy drive of that computer
- 3.) We will now attach the pen drive ( 100 block formatted ) into my unit in computer
- 4.) The indicator on front showing ( 0.0. ) initially will be converted to 00 ( Means that pen drive has been accepted ). Now each block of the pen drive will act as floppy ( Namely 00 to 99 )
- 5.) Start transferring the design to floppy ( a:) as you did always initially to block 00.
- 6.) If the design fits into one floppy size i.e 1.44 mb , then it will just finish
- 7.) If design is of size greater than 1.44 mb ( let us say 5 mb means 4 floppies ).
  - a) Then as you transfer the design to block indicating 00, it will transfer the portion of it on 1<sup>st</sup> block ( as it did in case of 1<sup>st</sup> floppy ).
  - b) After the transfer of data to 1<sup>st</sup> block (or 1<sup>st</sup> floppy) It will prompt for 2<sup>nd</sup> floppy or next floppy , just press the right button ( it is for moving the block from 00 to 09 )
  - c) Now the indicator on unit will show 01 (means the 2<sup>nd</sup> floppy ). Press continue on computer screen to start writing to 2<sup>nd</sup> floppy.
  - d) After you finish up with 2<sup>nd</sup> block, press the right button once again to go to block 02 ( means 3<sup>rd</sup> floppy ) and so on till you finish up with transfer of complete design.
- 8.) The right switch is for moving between blocks 00 to 09 and left from 10 to 90 . That means if you want to goto block 37 then press left switch thrice and right 7 times.



## On Jacquard Controller

1. Insert the USB Flash Drive ( in which design has been transferred from computer ) into the emulator installed in Jacquard controller.
2. Select the relevant block ( in our example it is 00 ) by pressing relevant combination of buttons on emulator (The right switch is for moving between blocks 00 to 09 and left from 10 to 90.)
3. Start Reading the data on controller.
4. If design is of size greater than 1.44 mb ( let us say 5 mb means 4 floppies ).
5. Then after machine has read 1<sup>st</sup> portion of the design from block indicating 00, it will ask to insert the 2<sup>nd</sup> floppy.
6. Just press the right button once , the counter on emulator will move to 01 ( means 2<sup>nd</sup> block ) and start reading again.
7. After you finish up with 2<sup>nd</sup> block , press the right button once again to go to block 02 ( means 3<sup>rd</sup> floppy ) and so on till you finish up with transfer of complete design.
8. You can also perform the write back of designs ( i.e from Machine – USB ) to be fed back into the computer by following the reverse steps.

\*\*\*\* for Staubli -JC4 Users – Due to backward technology and file system issues , we need to follow this process in case your pen drive is not being read in JC4-Controller.

- 1.) Format the pen drive in software in 100 blocks of 1.44 mb capacity each.
- 2.) Before doing and data transfer , insert this Pen drive in JC4
- 3.) You now need to format each block starting from 00 to 99 once in JC4.
- 4.) Once this is done , you need not format this pen drive again & again, just transfer data on the blocks , even if they were not empty. In such a case, it will prompt that data already exists in block, just select delete and start the transfer again.

**Enjoy the smooth ride by adding USB support to old Machines**



## Scenario – Data transfer on Embroidery Machines

(Staubli, Bonas, Fukuwara etc using **1.44Type-F Version Emulator**)

### 1.44 Type-F unit currently does not work on Muller-1/2

Everything works as if you were working on floppies, just the media changes to Pen Drive instead of floppies. The unit is just the replica of legacy 1.44 mb FDD , looks like that , uses same 34 pin channel and same power connectors. The unit just befools the whole apparatus as if it were working on same floppy method.

The process is as follows :

#### On Computer

1. We will divide a pen drive into 100 partitions of 1.44 mb capacity each ( Software & User Manual provided on CD )
2. Transfer the data files from computer onto the relevant block ( floppy0 to floppy99 ) , by selecting the block using software. ( See PDF/Video Manual on website )

#### On Embroidery Machine

3. The indicator on emulator front showing ( 0.0. ) initially, will be converted to 00 ( Means that pen drive has been accepted ). Now each block of the pen drive will act as floppy ( Namely 00 to 99 )
4. Toggle to the block on which you transferred the data. Start transferring the files from floppy (a:) ( Now USB ) as you did always.
5. Change the block from front panel of emulator to access the relevant block you need.
6. You can even write back to the USB Flash Stick, just in the same way you did with floppies. Once you have done with write back process ( from Embroidery machine to USB ), insert the pen drive into Computer. Select the block in Software and read the data you took from Embroidery Machine.

Enjoy.....!



## Scenario – Data transfer on Musical Keyboards

### Using 1.44 Type-F version

This emulator is tested and worked perfect on almost of Yamaha PSR (540, 550, 630, 640, 730, 740, 1000, 1100, 2000, 2100....), Roland E50, KORG PA50, GEM WK2.

Everything works as if you were working on floppies, just the media changes to Pen Drive instead of floppies. The unit is just the replica of legacy 1.44 mb FDD , looks like that , uses same 34 pin channel and same power connectors. The unit just befools the whole apparatus as if it were working on same floppy method.

The process is as follows :

#### On Computer

1. We will divide a pen drive into 100 partitions of 1.44 mb capacity each ( Software & User Manual provided on CD )
2. Transfer the music files/data from computer onto the relevant block ( flppy0 to flppy99 ) , by selecting the block using software. ( See PDF/Video Manual on website )

#### On Keyboard

3. The indicator on emulator front showing ( 0.0. ) initially, will be converted to 00 ( Means that pen drive has been accepted ). Now each block of the pen drive will act as floppy ( Namely 00 to 99 )
4. Toggle to the block on which you transferred the Music/data. Start transferring the files from floppy ( a:) ( Now USB ) as you did always.
5. Change the block from front panel of emulator to access the relevant block you need.
6. You can even write back to the USB Flash Stick, just in the same way you did with floppies. Once you have done with write back process ( from keyboard to USB ), insert the pen drive into Computer. Select the block in Software and read the data you took from Keyboard.

Enjoy the smooth ride by adding USB support to old Keyboards



## Scenario – How to use floppy to usb emulator on Roland MC50 to do Data transfer using USB Pen Drive

### 720 KB Double Density Type-F Emulator

Everything works as if you were working on floppies, just the media changes to Pen Drive instead of floppies. The floppy to usb emulator is just the replica of legacy 1.44 mb FDD , looks like that , uses same 34 pin channel and same power connectors. The floppy to usb emulator unit just befools the whole apparatus as if it were working on same floppy method.

The process is as follows :

#### On Computer

1. We need to divide a pen drive into 100 partitions of 720kb capacity each ( Software & User Manual provided on CD )
2. If you try to access the formatted USB Flash drive on Floppy to usb emulator installed on MC50, it will prompt “no disk is present”. To avoid this you need to follow the steps mentioned below

#### On Emulator

- 1.) If you see the back side of floppy to usb emulator, there will be jumper settings at the back. Just put at jumper location in such that it shorts MO and JA ( that is if you see floppy to usb converter from back it is 2<sup>nd</sup> from left and 7<sup>th</sup> from left )

#### On Keyboard

- 1) Plug in the floppy to usb converter into the MC50.
- 2) The indicator on floppy to usb converter front showing ( 0.0. ) initially, will be converted to 00 ( Means that pen drive has been accepted ). Now each block of the pen drive will act as floppy ( Namely 00 to 99 )
- 3) Before doing any read write operation, you need to format each block one by one from MC50 format utility by plugging it in front of floppy to usb emulator. If you do not perform this formatting you will not be able to access the blocks. Once formatting is done proceed to next step.
- 4) Now you do the Transfer of music files/data from computer onto the relevant block ( floppy0 to floppy99 ) , by selecting the block using software. ( See PDF/Video Manual on website )
- 5) Now on the Emulator side Toggle to the block by pressing the relevant buttons in front of floppy to usb emulator, on which you transferred the Music/data. Start transferring the files from floppy ( a:) ( Now USB ) as you did always.



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- 6) Change the block from front panel of floppy to usb emulator to access the relevant block you need.
- 7) You can even write back to the USB Flash Stick, just in the same way you did with floppies. Once you have done with write back process ( from keyboard to USB ), insert the pen drive into Computer. Select the block in Software and read the data you took from Keyboard.

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