Training:
HAPPY HCD-1501
Operations & Maintenance

Chapter 2: MACHINE SETUP & ORIENTATION

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Updated 5/20/2010: Screenshots and procedures updates for firmware version 1.24
Proper Machine Setup: Environment

Temperature and Humidity-Controlled Environment
Set up/store your machine in a temperature and humidity-controlled environment to prevent long-term corrosion and to protect the electronics. Don’t keep your machine anywhere you wouldn’t keep a laptop or desktop computer!

Clean, Protected Electrical Power

*grounded outlets*: Your machine uses standard 110v household current. Be sure you connect it to a grounded 3-prong outlet like the one shown here. This is standard in most U.S. homes and businesses today, but some older buildings may only have 2-prong outlets.

*surge protection*: Protect your machine against occasional power spikes (from electrical storms or electrical wiring problems) with at least a basic surge protector. The electronics on your machine can be very expensive to replace. Higher-end surge protectors and UPS units are able to protect against higher energy strikes, and often come with a guarantee.

Steady Table / Mounting Surface
Your machine will perform better (especially at higher speeds) when operated on a strong, level and steady mounting surface. Although on wheels, the optional stand provides plenty of stability, and even more when the wheel brakes are applied at all 4 corners.
Proper Machine Setup: Upper Thread

- **Proper Thread Routing**: All threads must be routed correctly at all points along the path through the sewing head.

**General Thread Route**
Thread must pass up from cones through guide holes in thread tree and through every specific point along the face of the sewing head. Thread must be “docked” at the thread holder spring.

**Layout of Cone/Needle Sequence**
Needle numbers are arranged right to left, lowest number to highest.
Proper Machine Setup: Upper Thread

**UPPER THREAD** – complete route through moving head

**Upper Tensioner**
Thread only makes 1/2 turn – make sure it passes to the left between the 2 metal discs.

**Thread Break Sensor**
Thread this like the upper tensioner – 1/2 turn to the left. Make sure the thread falls in the groove as shown.

**Lower Tensioner**
Thread makes 1 full turn clockwise around the base of the knob – make sure it runs in the V-shaped groove of the spoked wheel.

**Take-Up Levers**
Thread makes 1 full turn clockwise around the base of the knob – make sure it runs in the V-shaped groove of the spoked wheel.

-**Proper Thread Routing:** All threads must be routed correctly at all points along the path through the sewing head.

-**Practice good thread “Discipline”:** After threading all needles, ensure there is no slack anywhere along the thread path. Make sure to:

  - **Pull all threads** – to ensure thread feeds smoothly and turns the break sensor, and all slack is removed from around thread cones

  - **“Dock” all thread ends** from each needle onto the thread-holding spring. Prevents thread from coming loose and catching where not desired.
Proper Machine Setup: Bobbin loading and Tension check/adjustment

RE-LOADING THE BOBBIN CORRECTLY
The bobbin will need to be replaced frequently, allowing only 30,000 to 60,000 stitches per spool. This has to be done correctly every time.

1. Ensure bobbin turns clockwise. Pull thread through this slit.
2. Feed thread through eye at the end of the tension flap.
3. Pass thread under wire loop at the top front of the bobbin case.

CHECKING TENSION
• The “yo-yo” test is very exact in checking tension. Perform this quick check each time you re-load the bobbin. Practice until you are comfortable doing this.
• Check bobbin tension frequently when changing bobbins.

TAKE CARE TO RE-INSERT THE RELOADED BOBBIN CASE FULLY!
Your machine will not sew any stitches unless this is done. At worst, the needle & needle bar may strike the side of a poorly-inserted bobbin case, breaking the needle and possibly putting needle depth out of adjustment for that needle.

MAKE SMALL ADJUSTMENTS
– no more than a ¼ or ½ turn in either direction before re-checking tension.
Sewing Controls

Basic Sewing Controls

On this page, learn the function of the important sewing controls.

- **Sewing Controls**
  Understand the functions of these key sewing controls.

- **ORG** returns the sewing arm and the sewing position to design Origin point. Origin symbol re-appears.
- **TRACE** only traces when design is at Origin. Does slow trace when held continuously.
- **FWD** advances sewing position forward while machine is stopped.
- **CUT** cuts current thread and tucks end into thread holder.
- **START** starts sewing. Bypasses trace. Sews in "creep" mode when held down.
- **STOP** stops sewing. Also when stopped moves sewing position backwards. Useful after thread breaks.
- **Needle Select Keys** change the currently-selected needle while machine is stopped.

**Color Code**
- **Items in black** – function only when machine is stopped.
- **Items in red** – function when machine is running or stopped.

**Sewing arm movement**
- Move pantograph arm with the 4 blue arrow keys, hold FF at same time for quick movement.

**Speed control**
- Adjust max sewing speed.
Main Screen Information

Information Display on the main Drive screen

This screen shows information about the design, its position and fit, and current sewing status.

- **Total # of color blocks in the design**
- **Current block #**
- **next 4 colors in sequence**
- **Max allowed speed** – set this with the + and – keys up to 1200 spm.
- **Actual sewing speed** – machine sews at speeds up to max allowed speed, but varies according to stitch length. Longer stitches take more time, requiring a slower speed.
- **# of Stitches** in design
- **current stitch position in design**
- **Current Hoop**: shows what type of hoop is currently in use on the machine.
- **Origin indicator** – indicates that sewing position is at the design origin, before the trace.
- **Active needle**: shows the currently selected needle #.
- **Indicators lights**: serve as reminders for any edits that may have been done to the design from the control panel (in order from left to right, scale, rotate, satin pull compensation, repeat, auto origin return, offset
- **Show design position & fit in hoop**: pressing FAST at this screen shows a map on the right side of the design position & size (in blue) against the sewable area of the hoop (in red).
General Tips in Navigating Main Menu Screens

In many of the screens accessed from the main menu, there are additional options that can be accessed in the same way. In the sample screen shown below, we’ve illustrated a few simple rules:

- **Sub-menu**: Contains additional options for a given screen.
- **View Design**: This option displays the design full-screen with any current changes you’ve made to it.
- **Press MENU** to access the sub-menu. You’ll see the uppermost icon highlight in blue.
- **Press ESC** to exit the sub-menus and return the cursor to the rest of the Needle screen (example shown here).
The Function Screen

The FUNC menu allows quick access for key machine functions directly in the main drive screen.

- **Frame Type** select here to tell the machine to switch between tubular, cap, or border frame sewing modes.
- **O Set**: Positions the origin (design) at the current arm position.
- **TOP**: positions the hoop at the top of the pattern. Repeating returns hoop to previous position.
- **Needle Jump**: alternatively disengages (jump mode) or engages (drive mode) needle bar.
- **LOG-IN**: Set this to log the machine on to a Happy machine network.
- **TURN-OFF**: Always try to power down the machine from this option, not at the power switch.

Access this menu by pressing the FUNC key.
The 6 Important Main Menu Screens

Important Main Menu Features

The options on the first page of the main menu have the most important, useful functions.

Needle Screen is most important – for assigning thread colors to the design.

Setting Menu allows you to make useful changes to the design.

Pattern Menu helps manage designs.

Position Function lets you jump to any point in the design.

Frame Function allows you to fit and locate a design in a selected hoop.

Read Screen allows you to read in designs from the compact flash card.
Important Main Menu Screens: Needle Screen

Designs sew in a sequence of *color blocks*. In order that your machine sews each color block with the correct color in the correct order, you can set that color sequence in the Needle screen, shown here.

First match the thread color palette to the actual thread colors installed on the machine. You’ll only need to do this once for all colors, then only for any time you replace thread cones with other cone colors.

To set the color palette, press MENU to access the sub-functions on the right side, then arrow down to the Palette icon.

**Thread color palette**: lets you tell the machine which thread color is assigned to a given needle. When properly matched, it allows a color-accurate preview of the design colors that will actually sew.
Important Main Menu Screens: Needle Screen

Designs sew in a sequence of *color blocks*. In order that your machine sews each color block with the correct color in the correct order, you can set that color sequence in the Needle screen, shown here.

First match the thread color palette to the actual thread colors installed on the machine. You’ll only need to do this once for all colors, then only for any time you replace thread cones with other cone colors.

How to Change the color assigned to each needle:
Use the blue arrow keys to move the pointer to the needle whose color you wish to change. Then, press SET, calling up a color palette. Use the arrow keys to choose a different color and finally press SET.

Selected needle number: move the arrow to a needle number and press SET to change the assigned color.

This lets you set the garment color or sewing background.

Press SET to call up a color palette to change the color.

NEXT: HOW TO SET THE COLOR SEQUENCE
Important Main Menu Screens: Needle Screen

Designs sew in a sequence of *color blocks*. In order that your machine sews each color block with the correct color in the correct order, you can set that color sequence in the Needle screen, shown here.

**How to Set the Color Block Sequence for A Design:**
Follow steps 1-4 on the right to set the color sequence for a design. When finished, press ESC to return to the main menu, and/or ESC again to return to the main sewing screen.

Note: if a color block isn’t assigned a needle #, that block will show a needle # of zero. When reaching that color block number during sewing, the machine will stop and prompt the operator to select a color.

1. Select the color block # you wish to edit using the left or right arrow keys.

2. The selected color block will highlight to help confirm the part of the design you’re setting the color for.

3. Change the needle number by using the up/down arrow keys. Up increases, down decreases the value.

4. Arrow to the next color and continue until a needle# is selected for all the color blocks in the design.

**Appliqué**: Pressing the **FUNC** key when the arrow is next to a particular color block sets a stop command (marked by an asterisk *) causing the machine to sew that color and stop before continuing.

**Only 4 color blocks show in the list**: To navigate to other color blocks, press the left or right arrow key to shift and show color blocks earlier or later in sequence.

**Currently-selected color block # / total color blocks**

**Left & right arrow keys** to choose the needle number for the desired color.

**Use the up and down arrow keys** to select the color block number.
Important Main Menu Screens: Pattern Screen

The control panel can store a maximum of 1,000,000 stitches of designs, or 99 designs total. The Pattern screen lets you choose from these designs if you wish to sew a design other than the current active design, as well as perform other design management functions such as deleting, re-naming, duplicating and locking designs.

How to choose a design in the Pattern menu:

1. Use the blue arrow keys to select a pattern.
2. Press the SET key to make that pattern the active pattern.
3. Press ESC to return to the main menu.

Design Information – shows:
- Design name & number
- Stitch count
- # of color changes
- Height in mm
- Width in mm
- Distances from origin point to top & bottom edges
- Distances from origin point to left & right edges

Additional Options (access these by pressing MENU)
- View pattern full-screen
- Lock selected pattern
- Delete 1 or more patterns
- Select trace types (slower outline trace or faster but less accurate area trace)
- Re-name selected pattern
- Duplicate selected pattern

This pattern is locked, preventing accidental deletion or modification.

NEXT: 2nd page of right side menu options

There are more options – scroll below “Duplicate” to jump to the second page, shown on the next page.
Pattern Screen, right side options page 2

Shown here are the options on the second page of the right side menu.

Store designs in folder groups
With firmware 1.24, you can divide designs into folder groups. This indicator shows what folder group you're in.

Next: THE SETTING SCREEN
Important Main Menu Screens: Setting Screen

The Setting screen allows you to perform some useful modifications to the current pattern. Any changes made to a design in the Setting screen will be saved with that design and will be remembered as long as the design stays in the control panel memory.

Left side of the Setting screen shows:
- Design information
- Outline of the design to display what's being done to the design i.e. rotation, new size, etc.

The Setting screen is divided into 4 tabbed sub-screens. The functions on each tab are described on the next 4 pages.
**Important Main Menu Screens: Setting Screen**

The Setting screen allows you to perform some useful modifications to the current pattern. Any changes made to a design in the Setting screen will be saved with that design and will be remembered as long as the design stays in the control panel memory.

1st Tab: useful design editing functions
- Re-size design (no stitch processor)
- Satin pull compensation
- Rotate by degrees
- Rotate or flip (in 90 deg. increments)

**NEXT: SETTING SCREEN 2nd TAB**
Important Main Menu Screens: Setting Screen

The Setting screen allows you to perform some useful modifications to the current pattern. Any changes made to a design in the Setting screen will be saved with that design and will be remembered as long as the design stays in the control panel memory.

2nd Tab: Repeat
Function: This can be useful if you wish to sew the same design repeatedly on a large hoop i.e. to create a series of patches.

NEXT: SETTING SCREEN 3rd TAB
Important Main Menu Screens: Setting Screen

The Setting screen allows you to perform some useful modifications to the current pattern. Any changes made to a design in the Setting screen will be saved with that design and will be remembered as long as the design stays in the control panel memory.

3rd Tab: Offset: This function allows you to program a design to sew a design offset from center by a given distance in mm in the X and Y directions. Note that –Y values move the design lower in the hoop and vice-versa. -X values move the design to the left in the hoop and vice-versa.
Important Main Menu Screens: Setting Screen

The Setting screen allows you to perform some useful modifications to the current pattern. Any changes made to a design in the Setting screen will be saved with that design and will be remembered as long as the design stays in the control panel memory.

4th Tab: Frame-out for appliqué

“Frame-Out” lets you command the machine to stop after sewing a specific color block number and then move the sewing arm towards you by a specific, pre-programmed distance. As an example, this is useful when sewing appliqué, where sewing needs to pause after the marker stitch has been laid. However, it can also be done more simply in the Needle screen (see page 12 in this chapter).

Choose color block # where the frame-out occurs.
Set frame-out by moving sewing arm
Set frame-out movement numerically by entering exact X and Y values in mm

NEXT: THE READ SCREEN
**Important Main Menu Screens: Read Screen**

The Read screen is used to read designs from a compact flash card or USB jump drive.

**Choose CF card or USB Jump drive** from the selections shown on the right when first selecting “READ”.

**Left side: “read settings”** for the design: allows you to adjust the way the machine reads in a design. Some useful features are illustrated here.

- **combine jump** – net effect reduces the number of trims in a design
- **stitch sweeper** – always turn on, removes problematic short stitches.
- **sweep length** – lets you set the max size of the stitches it deletes in tenths of a mm. 4 is the recommended value.

**Right side: design list from the card**: shows 8 designs at a time – to view the rest, arrow down below the list bottom or up to go higher.

**Next: The Position Function**
**Important Main Menu Screens: Position**

Use the Position function if you wish to start sewing a design at any point other than the beginning. Note that this is not used to return to position after a power fail recovery or sewing interruption: in those cases, use the Position option accessed from the FUNC key (when in the main “drive” screen).

Set sewing position by repeat # (if repeat function is used)

Set sewing position by color block # - This is used most commonly.

Set sewing position by stitch# - Useful if you remember the exact stitch # where the machine left off sewing.
Important Main Menu Screens: Frame Screen

The Frame function lets you choose a hoop for a design, check the design fit and adjust the design position within the hoop.

HOW TO USE THE “FRAME” FUNCTION
Follow the steps on this page and the next to use the Frame function.

1. Choose Frame from the main menu.

2. Choose OK and press SET at “Check the top of pattern data”.

3. Choose frame type from this menu. Round, Square, Sock, Custom and generic Non-registered catch-all categories are available. When finished press SET.

Continued on next page
Important Main Menu Screens: Frame Screen

The Frame function performs the same function as the FAST button in the Main/Drive screen, (but with a few more options). It allows you to choose a hoop, then see/adjust position and fit.

HOW TO USE THE “FRAME” FUNCTION

Follow the steps on this page to use the Frame function. (continued from previous page)

4. A screen appears showing the available hoops for that category. In the example on the right, the Round hoop category was chosen, so a list of available round Happy hoops are shown. Sizes are indicated in mm in the right column (ignore the left column of 2-digit numbers). For example, if you wish to choose a 12cm hoop, choose “120”.

5. Press SET to select the hoop. Design outline appears in blue. Red line is the safety margin for the hoop. Black outline is outline of hoop itself.
**Important Main Menu Screens: Frame Screen**

The Frame function performs the same function as the F.F button in the Main/Drive screen, (but with a few more options). It allows you to choose a hoop, then see/adjust position and fit.

**HOW TO USE THE “FRAME” FUNCTION**

Follow the steps on this page to use the Frame function. (continued from previous page)

6. Check position and fit, use the controls to adjust if needed or desired. For HAPPY hoops, the red outline is an accurate indicator of the safe, usable area and position in the hoop. Use the arrow keys to move the design position (blue outline) within the usable area. If the blue outline is too big for the red area, it means the design is too large for the selected hoop.

   To auto-center the design in the hoop, you can press FUNC, as indicated by the control map on the right side of the screen.

7. Press SET to confirm and trace when finished before exiting back to the main menu and Drive screen.

NEXT: HOW TO SET UP FOR CUSTOM HOOP SIZES IN THE FRAME SCREEN
Important Main Menu Screens: Frame Screen

On this page and the next, you’ll learn how to use the “user” option in the Frame function to choose a non-standard hoop instead of the library of HAPPY hoops.

**STEPS FOR WORKING WITH CUSTOM SIZED HOOPS**

1. Choose the Custom frames category for frame type using the left/right arrow keys.
2. Select 1 of the 5 available slots and press SET to select a user-defined frame.
3. To edit/set up a selected user-defined frame, press MENU after selecting it. This allows you to choose the Data Entry mode for that hoop. (shown top right).

Continued on next page
Important Main Menu Screens: Frame Screen

On this page and the next, you’ll learn how to use the “user” option in the Frame function to choose a non-standard hoop instead of the library of HAPPY hoops.

STEPS FOR WORKING WITH CUSTOM SIZED HOOPS

4. Set the hoop class – choose round or rectangular then press SET.

5. Set the hoop size
   For a round hoop, enter 1 number: the diameter in mm.
   For a rectangular hoop, enter 2 numbers: the height (Y) and and width (X) in mm.

6. The new hoop size will appear in this list next to the custom slot you’ve set up.

NOTE: On 3rd-party hoops, actual sewing area may differ from hoop’s stated size, based on hoop shape presser foot clearance and other factors. Always test sewing area after entering hoop dimensions. This is especially true of square/rectangular hoops.
Transferring Designs into Your Machine

In this section, we provide detailed steps about the 2 most common ways to transfer a design into your machine to be sewn:

- USB connection or
- Compact flash card

On the following pages, we’ll go over the steps for both methods in detail. Next: USB connection
Transfer via USB Connection

One-Time Set-up of the USB Connection (continued from last page)
Follow the steps on these pages to set up your PC for a USB connection. You’ll only need to do this once.

1. Run the CD that came with your machine before connecting your HAPPY machine to your computer.

2. Wait for the CD install screen to appear.

3. Install HAPPYLINK. Install 3.07 or newer for Vista 64 or Windows 7.

4. Click to install the appropriate USB driver for your Windows Operating system.

5. Launch the HAPPYLINK program you installed in Step 3.

6. Click on File...Options until the dialog box shown below appears. Ensure that the dialog box is set as shown below, then click OK.

For 64-bit versions of Windows Vista and all versions of Windows 7, choose USB-COM. You’ll have to find the port# after connecting your Happy machine via USB cable and letting the driver set up, as in the next page. Return to this screen here on the left after finding the virtual COM port# assigned to your HAPPY machine by Windows.
Transfer via USB Connection

One-Time Set-up of the USB Connection (continued from last page)
Follow the steps on these pages to set up your PC for a USB connection.

5. Ensure that your HAPPY machine is turned off, and connect a USB cable between your PC and the machine. You may use the cable that came with your machine or purchase a longer one at any computer supply store. Ensure that any USB cable you purchase is high-quality and under 16 feet.

6. Power on your HAPPY machine and watch your PC screen. Windows should detect the machine, starting the Hardware Installation Wizard, similar to what is shown below.

7. Continue through the prompts, ensuring that at some point, Windows identifies the new hardware as “02 Happy Embroidery Machine” for Windows XP / Vista 32, or, in Vista 64/Windows 7, lists it in the Device Manager under Ports. Be sure to note the port#.

8. Continue until the message “Your new hardware is installed and ready to use” or a similar message appears.

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Chapter 2: Machine Setup & Orientation
Transfer via USB Connection

One-Time Set-up of the USB Connection (continued from last page)
Follow the 11 steps on these pages and the next to set up your PC for a USB connection.

11. Launch the HAPPYLINK program again. If you’ve done everything correctly, the USB connection indicator should appear as a solid grey icon in the top-left corner of the program bar as shown below.

![USB connection indicator](image)

NEXT: Actual Steps to Transfer a Design by USB Cable
Transfer via USB Connection

Actual Steps to Transfer a Design by USB

Once you’ve properly set up HAPPYLINK and the USB drivers on your PC, you’ll only need to follow the 5 steps on this page to actually transfer designs.

1. **Ensure that the machine is powered on and at the main (drive) screen.** Your PC will only be able to transfer designs from this screen.

2. **Connect the USB cable** between machine and PC if you haven’t already done so.

3. **Launch the HAPPYLINK program** and check to ensure the USB icon is lit.

4. **Open your design by clicking on File…Pattern Open.** The above dialog box appears. Follow the directions indicated above, and your design should open (in grey tones) into HAPPYLINK.

5. **Click the Send Pattern Icon.** The design will transfer from your PC to the machine.
Transfer by CF card or Jump Drive

Which Compact Flash cards to buy

The slot located on the side of the machine’s control panel accepts flash memory cards, to allow you to transfer designs into memory from a computer. To do this, you’ll need to buy the 3 items shown on this page from most stores that sell computer or digital camera supplies.

1. **PCMCIA Adapter** – Allows the card to fit into the machine’s flash card slot. For PC’s (some laptops) that also accept PCMCIA cards, there is no need for (3) the USB to compact flash adapter.

2. **Compact Flash card** – This is the memory card itself. Your machine accepts compact flash cards up to 1 Gigabyte in size.

3. **USB to compact flash card reader** – needed if your PC does not have a PCMCIA slot. (most don’t, though some laptops have one). Allows you to connect your card to a computer and save designs to it.

**USB “Jump” Drives** are a little easier to work with they require no adapter and plug directly into the USB port behind the control panel. They are not as brand-specific. Larger capacity jump drives are more likely to work. Be sure the drive is formatted in FAT32 for capacities larger than 1Gb.

NEXT: ALTERNATE FORMS OF FLASH MEDIA
Transfer by CF card or Jump Drive

Other Types of Flash memory (What not to Buy)

Your HAPPY machine was designed to accept other types of Flash cards, but none have worked as successfully as SanDisk-brand compact flash cards. For your assistance, we’ve identified other types of flash memory cards available below. We have attempted to show the cards approximately to scale with each other. Note that compatibility with these types may improve as revisions of the machine’s on-board firmware and hardware are released.

SanDisk brand Compact Flash card: This has worked with the greatest success with HAPPY machines, and is widely available.

Other brands of compact Flash card: Some other types work, although not all.

Memory Stick: This has been the least successful of the other Flash media types

SD Card: Few brands of this type have been found to work.

SmartMedia Card: Few brands of this type have been found to work.

Other Types of Adapter Sleeves: All-in-1 adapter sleeves have had limited success, even SanDisk brand.

Jump Drive Brands: To date, most brands of USB jump drives have worked. Most larger capacity drives are even readable (4Gb, 8Gb, etc)

NEXT: HOW TO USE YOUR COMPACT FLASH CARD or JUMP DRIVE
Transfer by CF card or Jump Drive

How to Use CF Cards or USB Jump Drives to Transfer Designs

Follow the steps on these pages to transfer designs from a PC into your HAPPY machine with a Compact Flash card.

1. **Connect the Compact Flash card or USB Jump drive to your computer.** For compact Flash, insert the card into a PCMCIA adapter first (if your laptop has this type of slot) or otherwise insert it into the USB reader.

2. **Start HAPPYLINK and open the design you wish to transfer from File… Pattern Open.** You’ll see the dialog box below appear. Follow the directions.

   - **Browse here** to the folder where your design is saved.
   - **1. Choose format here** (either DST or TAP – the machine will read both.)
   - **2. Click once to highlight it and click OK.**
   - **3. Your design will appear here.** Click once to highlight it and click OK.

For USB jump drives, just plug the drive into any available USB port on your PC.
Transfer by CF card or Jump Drive

How to Use Compact Flash Cards to Transfer Designs

Follow the 9 steps on these pages to transfer designs from a PC into your HAPPY machine with a Compact Flash card.

3. **(optional step) Set the color sequence.** Click on the icon shown below to do so. Or if you choose, you can set colors in your machine.

4. **Save the file to the Flash card or jump drive.** Click on File…Save As. The dialog box shown below appears. Follow the directions below to save, then close HAPPYLINK.

5. **Click on Safely Remove Hardware Icon** to shut off the card. You’ll find this icon at the lower-right edge of the screen near the clock. Continue until the message "It is now safe to remove" appears.
Transfer by CF card or Jump Drive

How to Use Compact Flash Cards to Transfer Designs

Follow the 9 steps on these pages to transfer designs from a PC into your HAPPY machine with a Compact Flash card.

6. Insert the Flash card into the machine. You’ll need to insert the card into the PCMCIA adapter sleeve.

7. Go to the Read screen in the control panel to read the card. From the main (drive) screen press MENU and click the blue arrow keys to go to the READ and press SET.

8. Find your design in the list. Any DST & TAP designs will show automatically in a list on the right. Choose your design with the blue arrow keys and press SET.

9. Press ESC to return to the main (drive) screen. Once the design is imported from the READ screen, press the ESC button until you’ve returned to the main Drive screen, where image of your design should now appear. (The next step will be to set the colors in the Needle screen.)

NEXT: CHAPTER 3: SEWING CHECKLIST, UPPER TENSION TEST