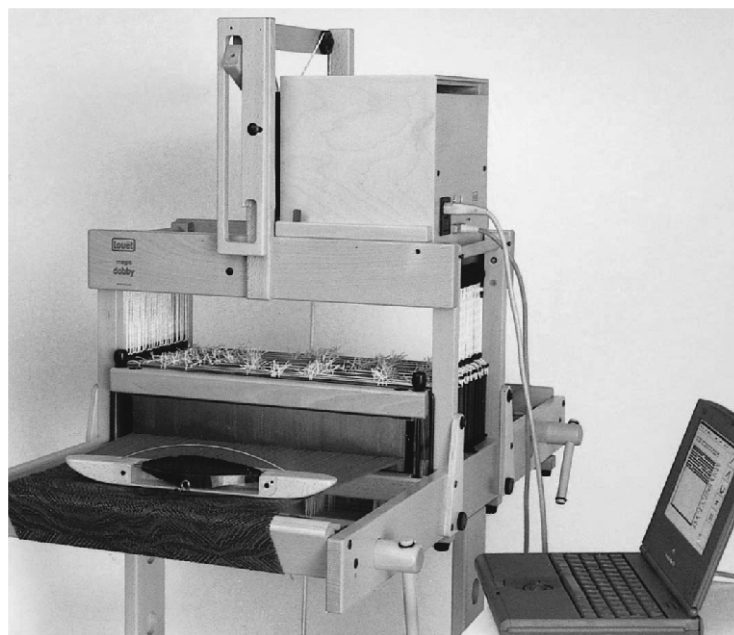
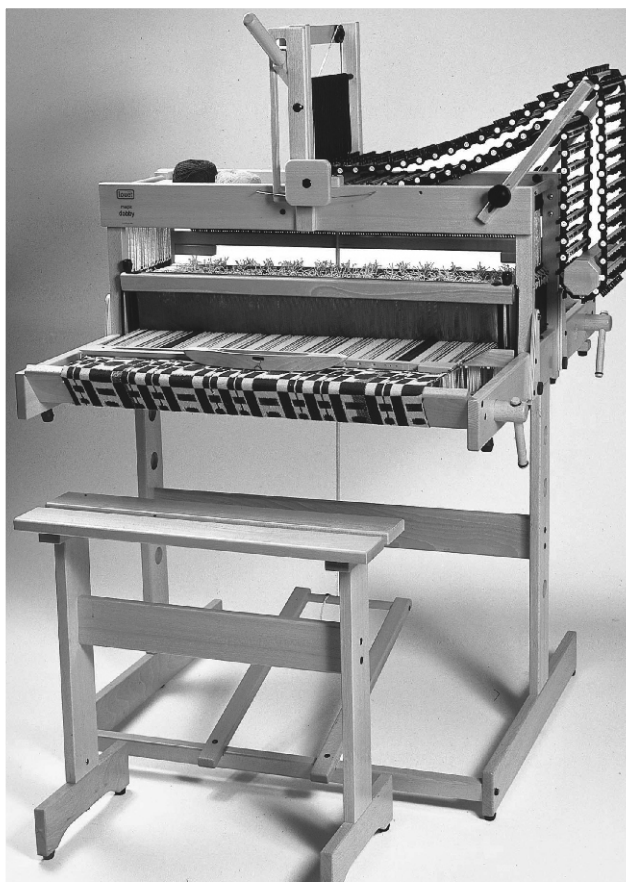


Louet North America Electronic Dobby Interface Installation Instructions

for



Magic Dobby



north america

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Louet North America Electronic Dobby Interface Instructions

Congratulations on your purchase of a Louet NA Electronic Dobby Interface. You will find the use of this interface simple and a great way to improve efficiency while weaving your complex patterns and designs. We wish you every success with this latest addition to your personal Louet family.

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1. Cables for your Louet Interface
2. Magic Box installation
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6. Self Test / Diagnostics
7. Warranty
8. Trouble shooting

List of Diagrams:

1. Hardware included
2. Position of Magic interface magnet
3. Position of Magic interface

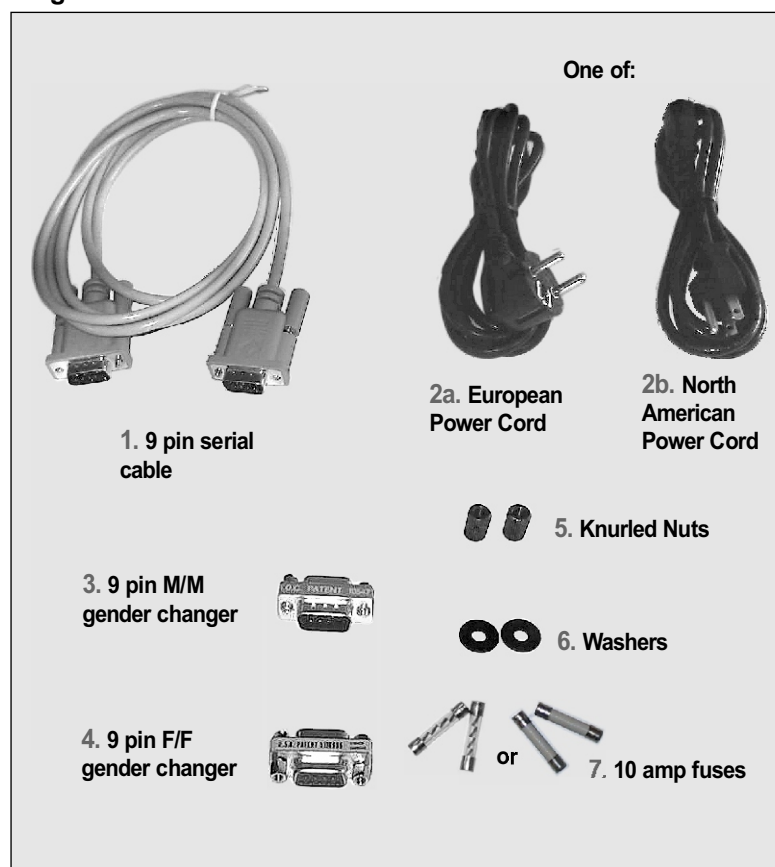
1. Cables for your Louet Interface

When you receive your Louet NA Magic Dobby Electronic Interface, you will receive the following cables and adapters:

1. 1 x 9 pin serial cable
2. 1 x power cord
3. 1 x 9 pin male gender changer
4. 1 x 9 pin female gender changer
5. 2 x knurled nuts
6. 2 x washers
7. 2 x 10 amp fuse

All available software packages currently (Apr 2003) have drivers for use with serial connections. Although your interface has a USB port, that port will not work with your software package. The USB port will function only when using a Palm Pilot running Palm OS version 4.1 or lower. A null modem adapter will be required if your Palm has a serial connection.

Diagram 1.



2. Magic Box Installation

- a) *(If you are installing the interface on a new loom, skip to Step (C).)* Remove the manual dobbie by taking off the nuts holding the selector bar and the knobs holding the chain tension uprights.
- b) Once complete, the manual dobbie will simply lift straight up. Be sure to place all parts in a separate box to insure you have all pieces if you need to re-attach the manual Dobbie.
- c) Attach the harness-raising handle and lift the harnesses. Lock them in the raised position with the locking bar.

- d) **Attach the magnet to the lifting bar (knife bar) as per Diagram 2. (Note: It is important to ensure the magnet is in the correct location since it will activate the switches, which advances the software.)**

Diagram 2. (front view)

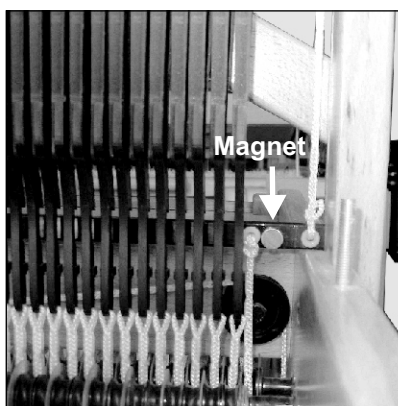
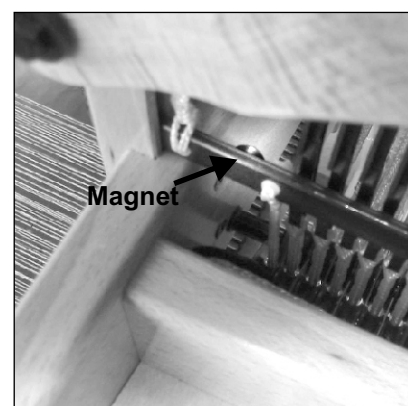


Diagram 2a. (back view)



- e) **Place the Magic Box in the same location where the manual Dobbie sat. (Diagram 3.) Allow the bolts, which held the selector bar, to fit through the predrilled holes in the wooden tabs on the side of the Magic Box. (Diagram 3a.)**

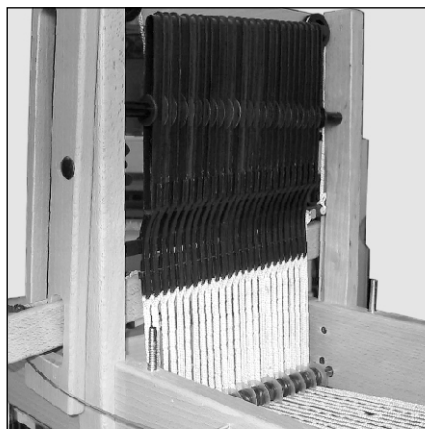


Diagram 3.

- f) This is a tight fit! Be careful.

- g) **Once the box is on top of the loom, replace the washers and nuts on the selector bar bolts. (Diagram 3b.)**

Diagram 3a.

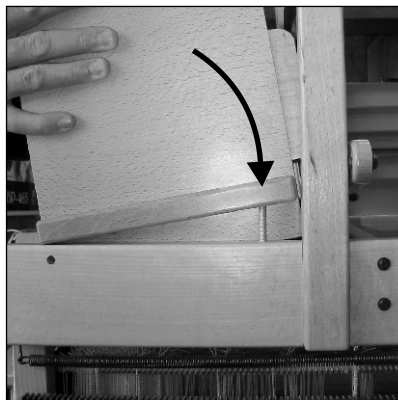
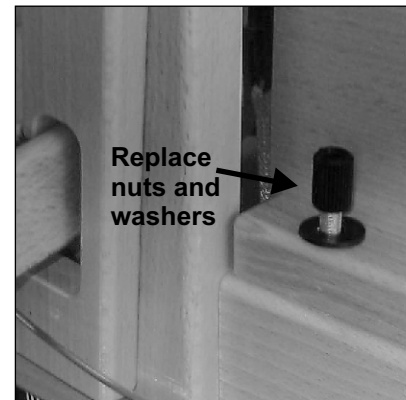


Diagram 3b.



3. Third Party Software

There are 5 software companies that have developed drivers for the Louet interface. These 5 companies started by developing a driver for our first dobbie interface, the Magic loom. Modifications were required to accommodate the Megado and now the Octado. You should check to make sure that the software package you use has modified their driver to accommodate the loom you have purchased. We have informed all software manufacturers of our new looms; however, retail demand is what really drives changes. The Software packages are:

- **Fiberworks PCW**
- **Weave It**
- **Patternland**
- **Proweave**
- **Weavemaker**

4. Louet NA Palm Software

LS Palmdobby Driver Ver 4.2 (Freeware):

This program is written for your Palm Pilot. It is designed to simulate a mechanical dobbie chain of bars. The LS Palmdobby program is free and can be downloaded from our website at www.louet.com/tech.htm. This program cannot be installed on a PC or Mac as it only recognizes the Palm operating system. The current version works with Palms using the Palm OS 5.0 or lower. It also works through either a serial or USB connection, depending on which your Palm has.

The Palmdobby Driver can be used on all Megado, Magic and Octado electronic interfaces

Instructions:

Upload the LS Palmdobby software onto your palm using the install feature of your Palm desktop software and perform a hotsync. To manually program a peg plan follow these instructions:

1. First, open the program.
2. Select the number of shafts of the loom you are working with (8,16,24 or32)
3. Next, enter a name for the pattern you are about to create.
4. Each row of pattern information simulates a dobbie bar. Each square in a row simulates a peg hole. By tapping on the square, the square becomes black, which simulates a peg in that hole.
5. Enter each row of peg plan information consecutively.
6. Once complete, tap the save button.
7. Connect the Palm cradle to the Louet loom interface using the cables and adapters provided. (Remember, you must use a NULL MODEM ADAPTER)
8. Select your pattern and click on the *dobby* button.
9. Finally, click on the *start* button and the interface will activate the first pick.
10. Start weaving!
11. The interface may "time-out" if it is left for more than 30 seconds. Simply tap the *resume* button to end the time-out.

LS Palmdobby Converter: - Ver 1.02 (\$30 USD):

This is a Windows program that is designed to convert Fiberworks DTX files or more general WIF files into a format that can be read by the LS Palmdobby driver. The program also queues all selected patterns for upload to your palm on your next HotSync operation.

The LS Palmdobby Converter can be used on any Windows PC running Windows95 or higher. This allows you to program on a computer and weave with the Palm.

Instructions:

The LS Palmdobby Converter is a very easy and intuitive program. Once you have loaded the LS Palmdobby Converter, open the program and go to the help section. Follow the instructions listed in the help section.

5. Power Requirements

Check the fuse box to insure the fuse is oriented correctly. There are markings located on the outside frame of the fuse casing or on the fuse casing itself. On some models, the fuse rating is shown in numbers. In North America, ensure rating is between 110 V and 120 V. In Europe or other parts of the world, ensure fuse rating is between 220V and 230 V.

Fuse holders can be removed with a small screw driver. 8A fuses are required. To change voltage, insert fuse holder and have proper voltage shown in window.

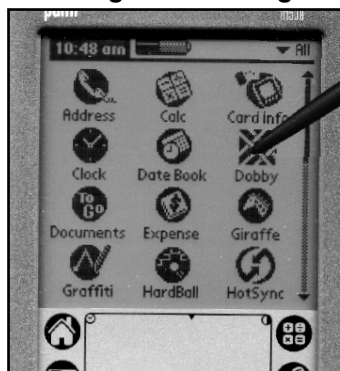
6. Self Test/ Diagnostics

Run the self test program by holding down the button on the back of the interface and simultaneously turning the power switch on. The system will cycle through an internal program activating one hook at a time starting with number 1 and progressing sequentially through all harnesses. Watch this cycle and insure that each hook is advanced over top of the doobby knife. If all doobby hooks are activated in sequence, then your electronic interface is operating correctly.

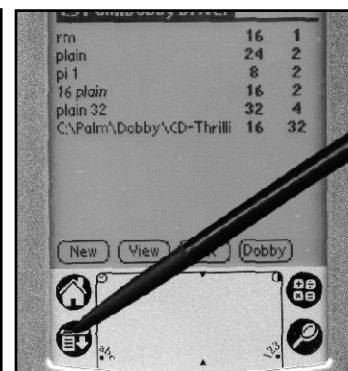
If not, call for technical support at **1-800-897-6444**.

Each software program also offers internal diagnostics to test connectivity, treadle functionality etc. In the Palm software, there is a running test which cycles through consecutive tabby shots. If you activate this you can visually see if all solenoids are activating. (See steps at right).

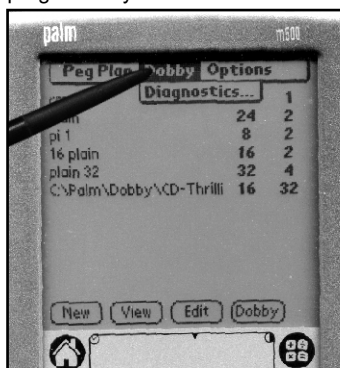
Checking Internal Diagnostic in Palm Software



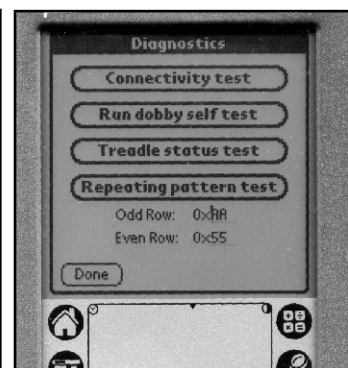
1. Select the LS Palmdobby program on your Palm.



2. Select the Menu Button.



3. From the menu options, select Dobby and then Diagnostics...



4. Run any of the 4 available tests to insure the interface and software are both working properly together.

7. Warranty

Louet North America provides a 90-day warranty against manufacturing or material defects, from the date of shipping. Please contact Louet North America at 800-897-6444 or dave@louet.com. Please keep the original packing material. Failure to return a defective unit in the original packing may result in the warranty being declared void

8. Troubleshooting

If you have tested the Magic, Megado, or Octado Electronic Interface using the self-test switch, thereby ensuring the hardware is functioning correctly, please contact your software company.

If your interface does not seem to receive power, check your fuse and fuse box positioning. If the fuse box is oriented for the incorrect voltage, you may have blown a fuse.

Your Magic Dobby Electronic Interface has been fitted to our display model loom and tested by use in weaving for at least 2 hours of consecutive weaving. If you have any questions or problems, feel free to contact us at 800-897-6444.

The solenoids do not push out far enough? (Megado only)

Try moving the box closer to the loom by screwing the adjustment screws further into the electronic interface (box). These screws are on the side of the interface facing the loom.

You are experiencing periodic irregularities in advancement of the next pick.

Check to see if the magnet is in line with the magnetic sensor. There is a wooden tab on the box that lines up with the magnet. In the groove of this wooden tab, you will see wires extending to the top and bottom of the tab. At the ends of these wires, you will see a “black spec” approx. 1/8” square. This “black spec” is a magnetic sensor. When the loom treadle is at rest, the magnet and the top magnetic sensor must be aligned.

The solenoids do not fire

Check all cables for a solid connection.