Louet North America Electronic Dobby Interface
Installation Instructions
for
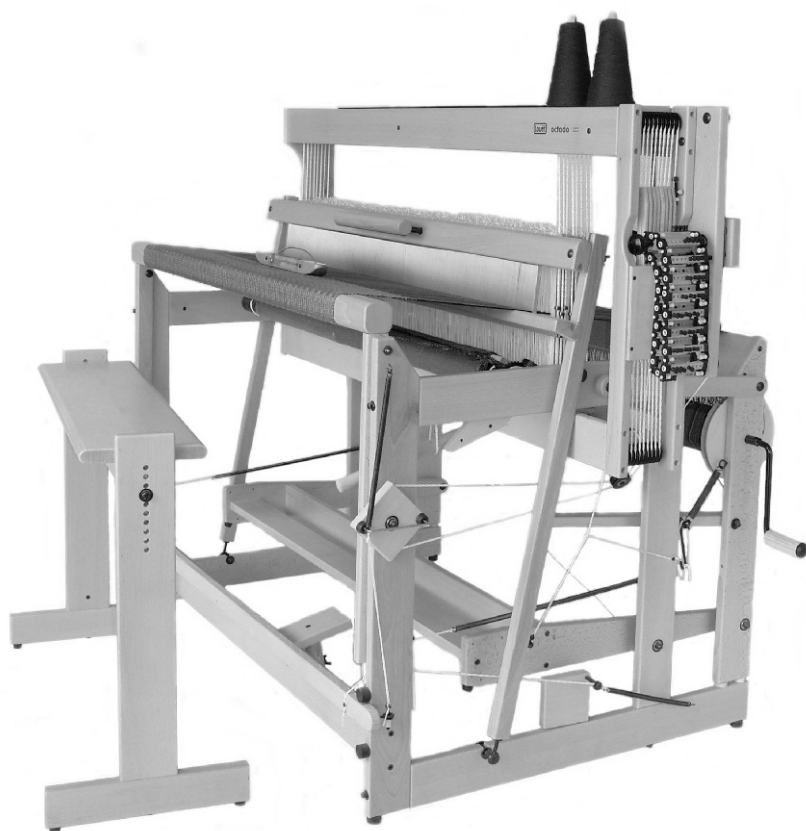
Octado
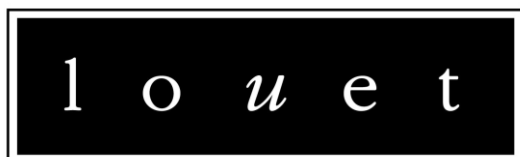
Louet NA Electronic Dobby Interface Instructions

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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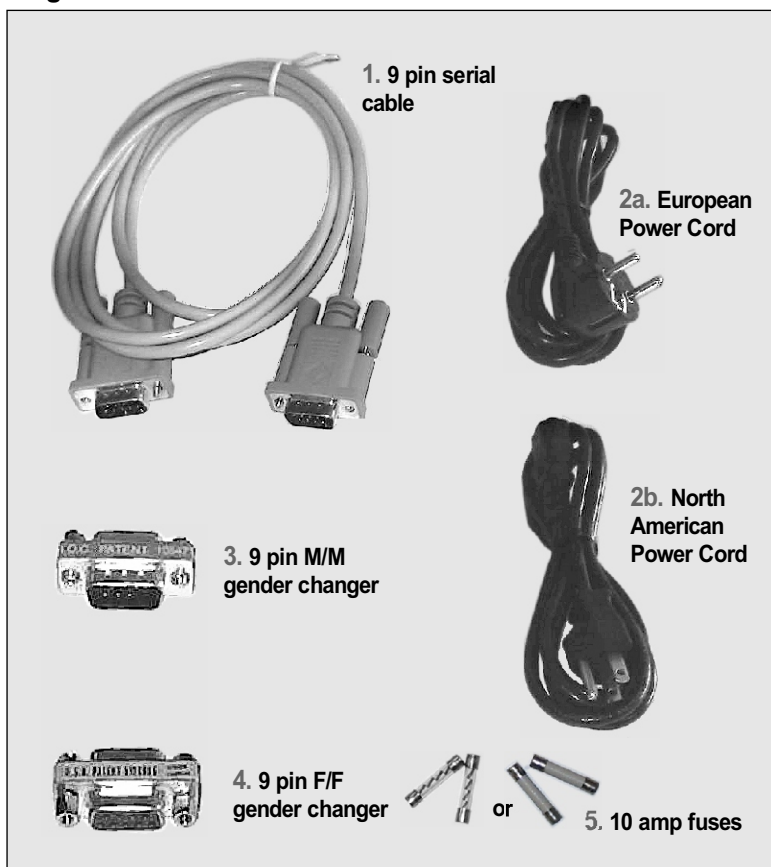4. Position of Octado interface on screws

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1. Cables for your Louet Interface

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

Diagram 1.

1. 1 x 9 pin serial cable
2. 2 x power cords
3. 1 x 9 pin male gender changer
4. 1 x 9 pin female gender changer
5. 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 05 version 4.1 or lower. A null modem adapter will be required if your Palm has a serial connection.

1. 9 pin serial cable

2a. European Power Cord

2b. North American Power Cord

3. 9 pin M/M gender changer

4. 9 pin F/F gender changer or 5. 10 amp fuses

2. Octado Installation

a) *(If you are installing the interface on a new loom, skip to Step (B).)* Remove the mechanical dobby.
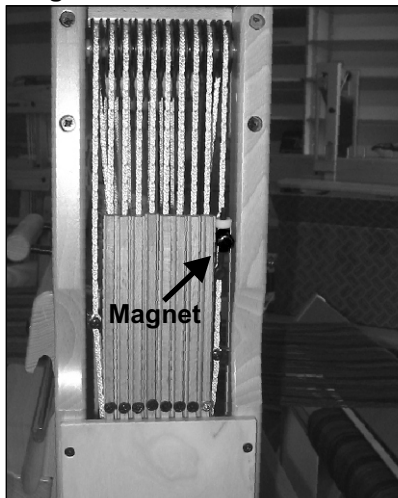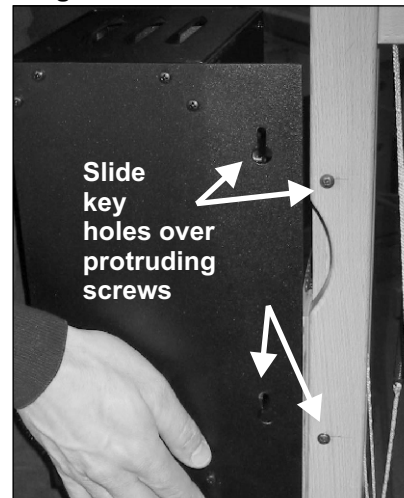
Diagram 2.

Diagram 3.

b) *Place the magnet on the barrel nut that is attached to the texsolv cord beside the dobby hooks of the backside of the loom. (see diagram 2).The magnet must be facing the outside of the loom and will face the interface.*

Magnet

Slide key holes over protruding screws

c) *Slide the keyholes on the right side of the interface over the screws protruding from the back, right side of the loom as shown in diagram 3.*
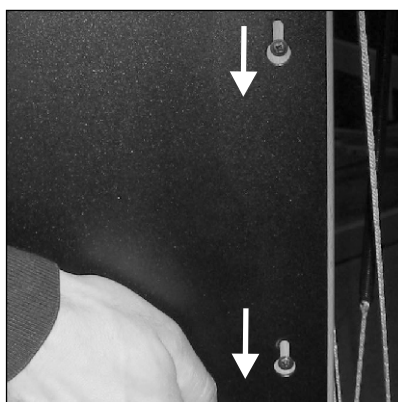
Diagram 4.

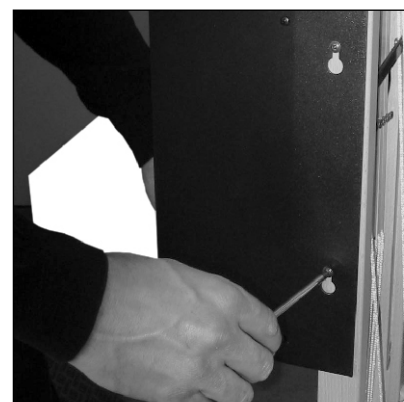**Diagram 4a.**

d) *Allow the smaller hole of the key hole to slide over the screw allowing the interface to rest in its final position. (Diagram 4).*

e) *Tighten both top and bottom screws. (Diagram 4a)*

f) *Attach the appropriate cables and adapters. Remember that you need the null modem adapter for the Palm serial connection only. Do not use the null modem adapter with your Laptop or PC.*
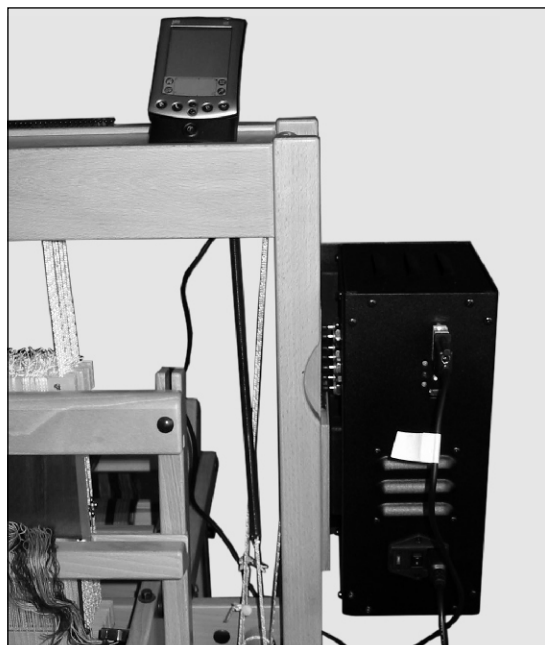
3. Light Indicators

The Red light (1st light) is the power on indicator. The 2nd light (green) is the serial connection indicator and the 3rd light (green) is the USB connection indicator.

Before a computer connection is made, the green lights will flicker. Once a connection (serial) is made with a PC or Mac, the 2nd light (green) will turn solid and the 3rd light (green) will go out. The 3rd light refers to the USB port, which only works with Palm handheld devices. When a Palm handheld device is connected, the 3rd light (green) will go solid, and the 2nd light (green) will go out.
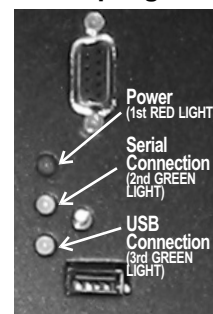
4. Third Party Software

There are 5 software companies that have developed drivers for the Louet interface. These 5 companies started by developing a driver for our first dobby 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**   • **Proweave**   • **Weave It**   • **Weavemaker**   • **Patternland**

5. 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 dobby 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 dobby 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.

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6. 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, insure rating is between 110 V and 120 V. In Europe or other parts of the world, insure 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.

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7. 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 dobby knife.   If all dobby 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).
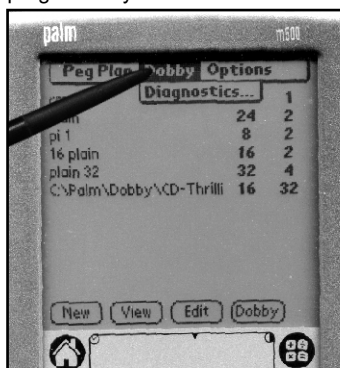
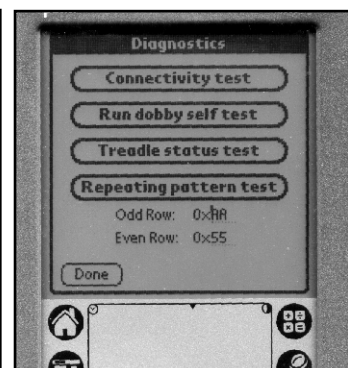**Checking Internal Diagnostic in Palm Software**
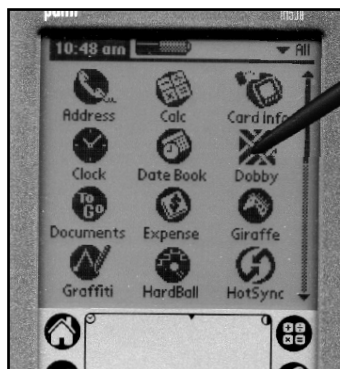
1. Select the LS Palmdobby program on your Palm.
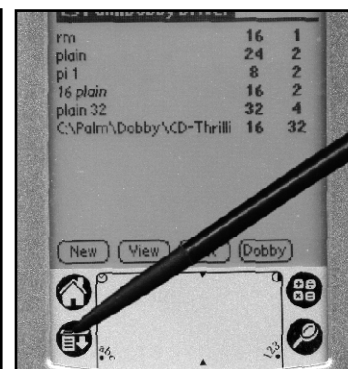
2. Select the Menu Button.

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.

8. 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

9. 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 Megado 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.