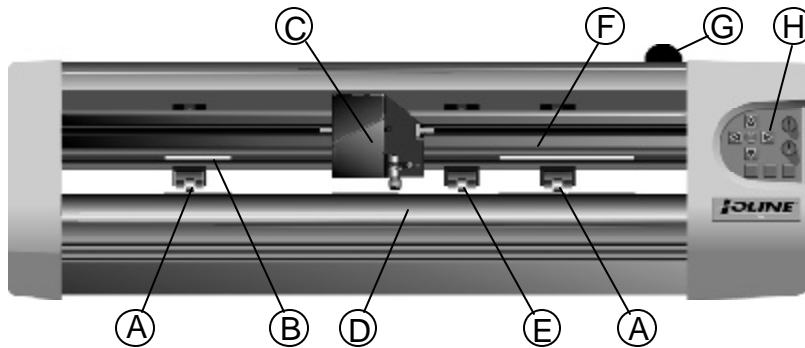


This quick start guide shows how to assemble and setup the Ioline Studio A plotter. Consult the user guide on the CD-ROM for more detailed information about installation and operation. The user guide may be printed from the provided Adobe® Acrobat® viewer if necessary.

Caution: *The plotter is heavy and could cause an injury if it falls. A minimum of two people are required to safely unpack the plotter and attach it to the stand. One person should hold the machine while the screws holding it to the legs are inserted.*



- A. Pinchwheel**
- B. Drive Shaft Marker**
- C. Carriage**
- D. Platen**
- E. Idler Wheel**
- F. Carriage Rail**
- G. Pinchwheel Lever**
- H. Keypad**

Step 1

Unpack



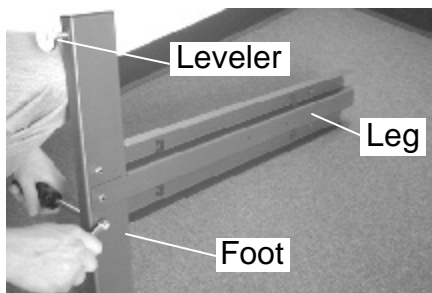
Remove the plotter, stand parts, and accessory kit from the box. Check the packing list. Always lift the plotter with two people, one person at each end.

Tools Required for Assembly:

Phillips screw driver and 7/16 in. wrench

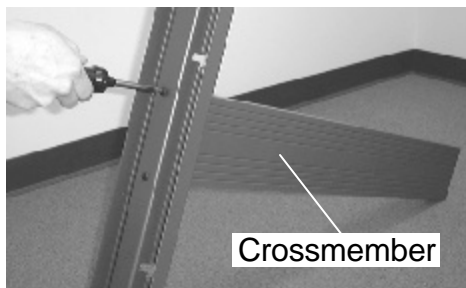
Step 2

Assemble the Stand



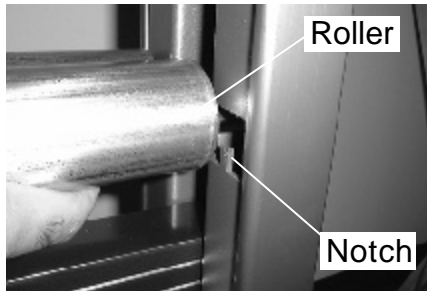
Attach the Feet

Attach one foot to each leg using three 1.5 in. (long) Phillips screws and three 7/16 in. hex nuts. Repeat this procedure for the other leg. Screw all of the leg levelers halfway into the ends of the stand feet. Thread all four levelers in equally so that your plotter is level and stable.



Connect the Crossmember and Legs

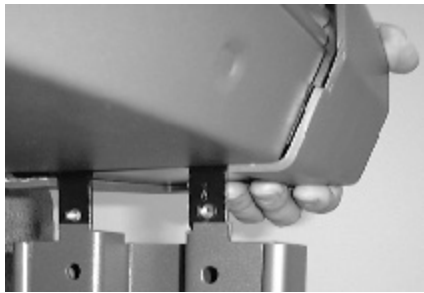
The crossmember is reversible and can be attached upside down and from either side. Fit the crossmember snugly into the rectangular groove in one leg. Align the holes in the leg with the threaded holes in the crossmember. Insert two 1 in. (medium) Phillips screws into the threaded holes. Leave them loose. Repeat this procedure for the other leg. Tighten all four screws.



Insert the Media Rollers

Insert the pins on the end of a media roller into the notches in the front of each leg. Use the matching notch on the opposite leg so that the roller is straight. Repeat this process to insert a roller into the rear notches. The extra notches allow for different size rolls of media.

Step 3 Attach the Plotter to the Stand



Place the Plotter on the Stand

One person should hold the plotter while the other person inserts the screws to secure the plotter to the legs. Slide the tabs on the bottom of the plotter inside the top of both legs. Make sure that the holes line up with the threaded holes in the tabs on the plotter end plates.



Insert the Screws

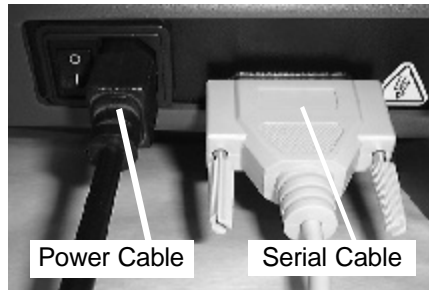
One person should hold the plotter while the other person inserts the screws to secure the plotter to the legs. Insert the 3/8 in. (short) Phillips head screws through the leg and into tabs on the plotter. Tighten the screws.



Finish Assembly

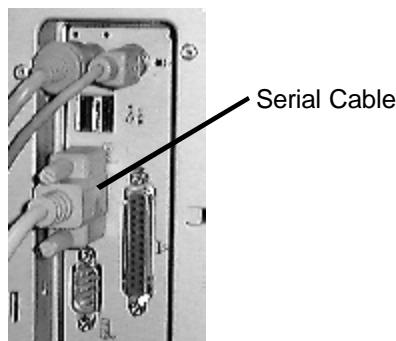
Cut the plastic strap that holds the carriage in shipping position. Remove all packing foam from around the carriage. Assembly is complete.

Step 4 **Finish Installation**



Connect the Plotter Cables

Make sure that the power is off (“O” symbol on the switch) to the plotter. Connect the supplied serial cable (25 pin end) and the power cord to the panel on the back of the right side of the plotter. Lock the cable to the socket with the thumb screws. Plug the plotter power cable into a wall socket or surge protector (recommended).



Connect the Computer Cable

Make sure that power is off to the computer. Connect the 9 pin end of the serial cable to one of the serial ports on the back of the computer. Tighten the thumbscrews. Make sure that the computer is plugged in and working properly. See the *Installation* chapter of the user guide for more information. **Note:** Some computers have 25 pin serial connectors. An adapter is required for this type of connection.



Install the Software

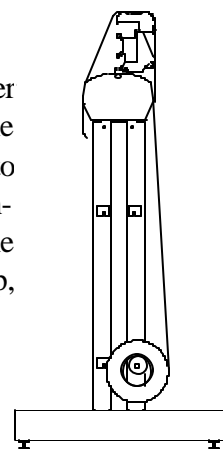
Install the Ioline Control Center onto the computer. Select, “Install Ioline Control Center,” from the list of options in the Setup program on the CD-ROM. The Setup program also allows installation of the electronic User Guide and the necessary Adobe® Acrobat® viewer.

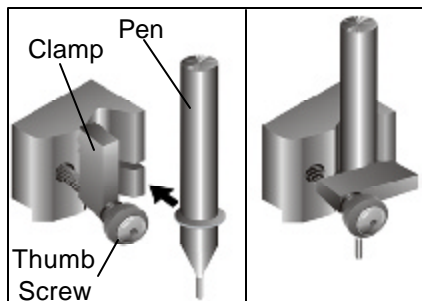
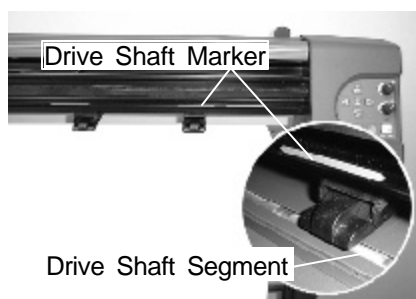
Step 5 **Prepare to Plot**



Load the Paper Roll

Insert a media roller through the center of a roll of paper (as an axle). Use the rear-lower notches on the stand legs to support the roller. The paper should unroll from the rear of the roll (behind the machine). With the pinchwheels up, thread the paper through the machine.





Position the Pinchwheels Over the Drive Shaft

Move the paper and pinchwheels to find a position where the pinchwheels are about 1" from the edge of the paper and over a drive shaft segment. Use the drive shaft markers (illustration) to find the segments. Evenly space the inner idler wheels over drive shaft segments. Make sure the media roll or flanges do not touch the stand.

Square the Paper

Make sure that the pinchwheels are up off the drive shaft. Pull paper through the machine so that it reaches the roll. Align the edge of the paper with the edge of the roll. Check that the paper is flat and square. Ensure that the outer pinchwheels are still roughly an inch from the edge of the paper. Lower the wheels with the lever.

Load a Pen in the Jaw

Loosen the thumb screw on the carriage jaw. Rotate the clamp up against the stop and insert the pen. If the pen has a flange, it will fit in the slot in the jaw. If the pen does not have a flange, make sure that the tip is 1/8" off the paper when the clamp is tight. Rotate the clamp down until it is horizontal (or rests on the flange). Tighten the thumb screw until the pen is held securely.

Position the Carriage and Paper

Do not let the paper become suddenly tight between the plotter and paper roll. Manually unroll a few feet of paper to create a slack service loop. Use the **Arrow** keys on the keypad to move the paper to check alignment. Move the paper edge in front of the pen. Move the carriage over the paper. Use **Roll Feed** (enabled in the Control Center) to avoid making manual service loops.

Adjust the Force

Turn the **Force** knob on the keypad to the middle of the range. Press the **Test Cut** key. Check the line quality. Adjust the force and repeat test cuts as necessary. Press and hold the **Test Cut** key for 3 seconds. The plotter will plot a large test pattern as a final check. Move the carriage and paper to a starting position for the first file. Press the **Set Origin** key on the keypad. If cutting tag-board with the optional cutting kit, check the *Cutting a Pattern* section in the user guide for instructions.

The Studio A is ready to plot. Refer to the User Guide and the design software documentation for more information about optimizing plotter performance.