

Maestro Tilt Hinged Feet Installation Guide Installation Guide

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The following guide will provide the necessary step-by-step procedure for installing the constant torque Tilt Hinged Feet on a Maestro Control Console for the FLEX-6000 Signature Series SDR.

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Obtaining Technical Support

If you encounter any issues installing or operating SmartSDR for Windows with a FlexRadio Systems Signature Series software defined radio, please use our on-line [Community](#) to find information about SmartSDR and the FLEX-6000 radios. If you need assistance using the Community, please refer to the community topic "[How to use the FlexRadio Systems Support Community](#)".

If you are unable to find an existing answer to your issue on the Community, please contact FlexRadio Systems technical support by opening a HelpDesk support ticket on-line at <https://helpdesk.flexradio.com/>

For details on how to submit a HelpDesk support ticket, please refer to the following URL: <https://helpdesk.flexradio.com/hc/en-us/articles/202118688-How-to-Submit-a-Request-for-Technical-Support>.

Hours of Operation: Our Technical Support engineers are available Monday-Friday from 9:00am-5:30pm Central Time. If you contact Support after business hours, on a holiday or weekend, we will respond to your request for assistance during regular business hours in the order the tickets were received.

Getting Started

Packaging and Tilt Hinged Feet Contents

Remove the Maestro Tilt Hinged Feet kit contents from the packaging and verify that the following items are included before proceeding. Refer to the image below.

- Two (2) tilting Tilt Hinged Feet
- One (1) Hinge, ST-11A-140SA-50 (hinge "A")
- One (1) Hinge, ST-11A-140SB-50 (hinge "B")
- Eight (8) Attachment screws, M4 x 8mm
- Four (4) Plastic plugs



Required Tools

A #2 Phillips screwdriver is required (not supplied). Note a magnetic tipped screwdriver will facilitate the installation of the attachment screws.

Preparing for the Maestro Tilt Hinged Feet Installation

If the Maestro is powered on, power it off by pressing the Power Button on the top. Disconnect all cables.

Use a flat, well-lighted surface such as a table or work bench to perform the Maestro Tilt Hinged Feet installation.

You may want to use several small containers to store and organize the screws that will be used as part of the Tilt Hinged Feet installation.

Make sure to observe basic ESD control procedures to prevent static discharges that may damage sensitive electronics components inside the Maestro, such as grounding yourself to reduce static electrical build up.

Preparing the Work Surface

The top of the foam insert used in packing the Maestro will be used as a work surface to prevent scratches to the front of the unit and to level the Maestro while attaching the Tilt Hinged Feet.

Using the Top Foam Packing Material as an Work Surface Offset

The knobs on the front of the Maestro does not allow for the unit to lie flat on its front to facilitate easy installation of the Tilt Hinged Feet. Therefore the part of the Maestro packing material will be used as an offset to create a flat work surface for installing the Tilt Hinged Feet.

As shown in the picture below, use the top of the foam packing material and the plastic bag the Maestro was packed in to create a convenient work surface offset. Allow the plastic bag to extend to the left to protect the tops of the knobs. Alternately a soft cloth may be used in place of the plastic bag if desired.



Place the Maestro on the Work Surface Offset

As shown in the picture below, place the Maestro touch screen display face down on the top of the foam packing material allow the knobs to rest on the covered work surface. This will allow of the Maestro to lie flat for the installation of the Tilt Hinged Feet.



Installing the Maestro Tilt Hinged Feet

Once the Maestro is properly oriented, the Tilt Hinged Feet can be conveniently installed.

Locating the Tilt Hinged Feet Mounting Screw Holes

Locate the four (4) M4 mounting screw holes at the bottom center of the Maestro as shown below with the four arrows.



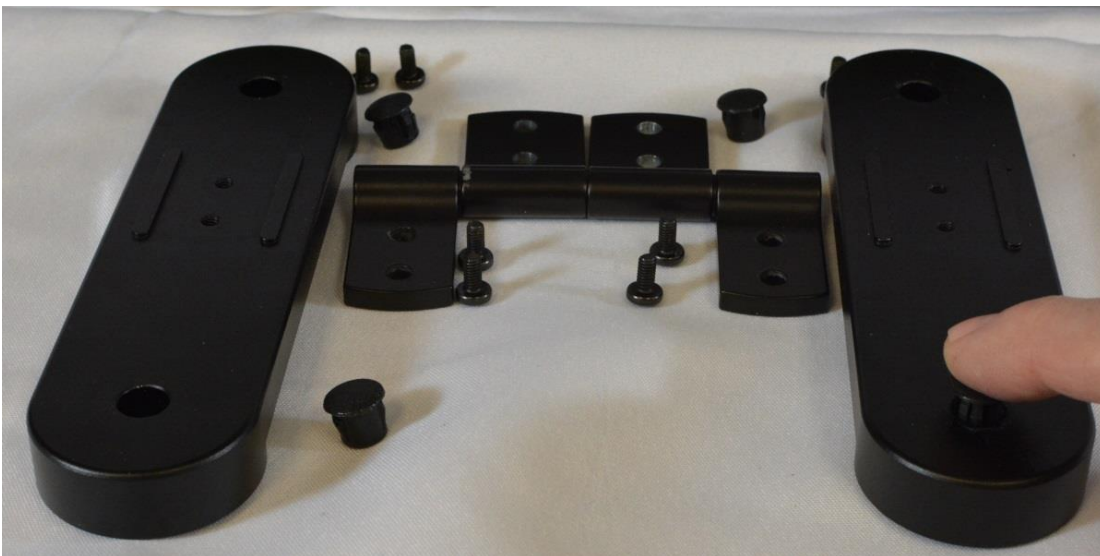
Orientating the Tilt Hinged Feet Components

Orient feet bases separated by a few inches as shown below. Place a set of two (2) screws at the top and bottom of each foot. Position hinge from bag marked: ST-11A-140SB-50 on **left**. Position hinge from bag marked: SA-11A-140SA-50 on **right** side. Each hinge is also marked on bottom with "A" and "B" for easy identification.



Install Plugs in Feet

Insert two each of the plastic plugs into each foot as shown below.



Below is an image showing all 4 plastic plugs installed.



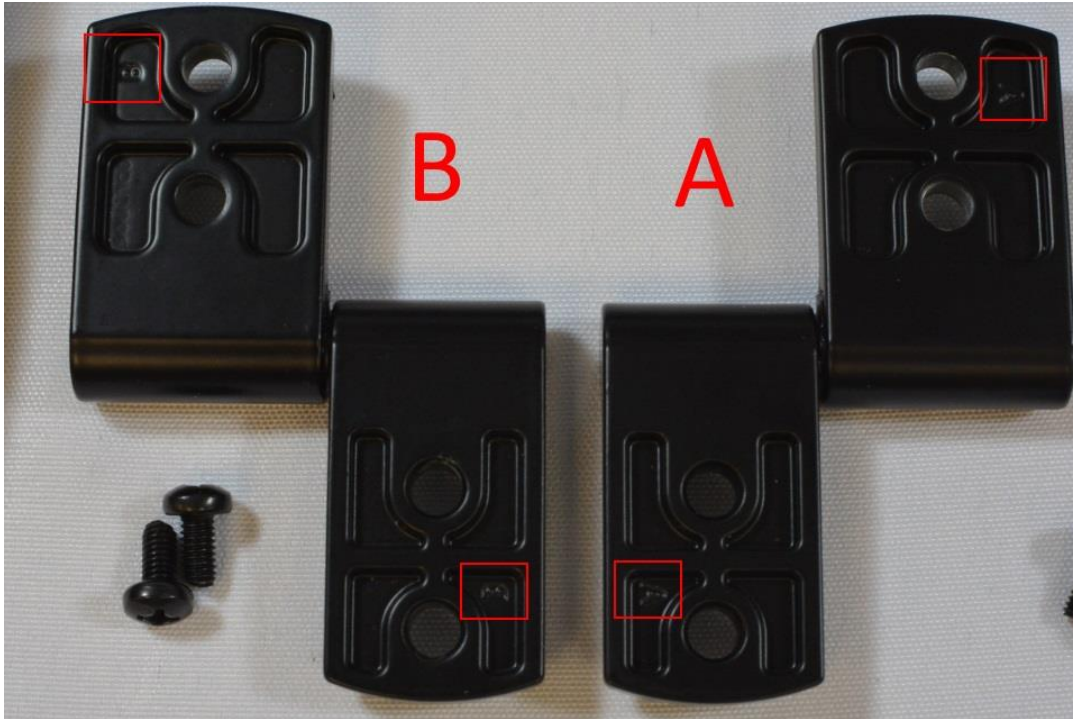
Verify the Correct Orientation of the Feet

The two (2) mounting holes on the feet are not centered; they are closer to one end of the foot than the other. Before installing the hinges, verify the orientation of each foot so that the mounting holes are farther away from you, towards the Maestro.



Verify the Correct Orientation of the Hinges

There is a left and right hinge designated as “A and “B” which is stamped on the underside of each hinge as shown below. The “B” hinge will be installed on the **left** foot and the “A” hinge will be installed on the **right** foot. Please note that each hinge consists of a narrow and wide tab. The narrow tab, shown as the one at the bottom is the part of the hinge that will be attached to the foot in the next installation step.



Attach Hinges to Feet

Flip the left or “B” hinge over and attach it to the foot with two (2) M4 attachment screws using a #2 screwdriver. Before tightening snugly slide the hinge forward towards the short end of the foot so the hinge does not overlap the raised guide on the foot. Do not overtighten. Repeat the procedure for the right or “A” hinge as shown below.



Prepare Hinge-Foot Assembly for Attachment to Maestro

Rotate Hinge “A” and “B” tabs up to vertical position as shown below in preparation for installing each foot on the Maestro.



Attach Hinge-Foot Assembly to Maestro

Position the right hinge-foot assembly “A” on the right side back of Maestro as shown below. Using a #2 screwdriver, attach with two M4 screws. Tighten snugly, but do not overtighten. Repeat the procedure for attaching the left hinge-foot assembly “B” on the left side back.



Below shows an image of the completed installation of both hinge-foot assemblies.



Adjusting the Tilt Hinged Feet

The Tilt Hinged Feet are adjusted with the Tilt Hinged Feet on a table and the Maestro in an upright position.

Lift Maestro off foam work surface offset and place feet on a flat surface. Grasp the Maestro with two hands as shown below and tilt to the desired operating angle.

