

CUBISCAN 100-T SETUP

QUICK REFERENCE GUIDE

This quick reference guide provides instructions for assembling and setting up the Cubiscan 100-T. For more detailed instructions on setting up the Cubiscan 100-T, see the *Cubiscan 100-T Operations and Technical Manual*.

UNPACKING >

- 1 > Remove the Cubiscan 100-T base, base cover, cables, calibration cube, and other tools and accessories from the crate.
- 2 > Remove any shipping material.
- 3 > Place the Cubiscan where you will be using it.



ATTACHING THE SIDE PANELS

- 1 > The left and right side are determined when facing the front of the Cubiscan. The left side panel has a wrap-around edge and the right side panel has standoffs that extend from the edge. Loosen the eight bolts that attach the panels at the base.
- 2 > Align the tapered holes along the **right** side panel's bottom edge with the four mounting screws on the right side of the Cubiscan base.
- 3 > Push the panel into place so that the widest part of the holes are over the screws, and let the screws slide into the narrow part of the holes.
- 4 > Using the 5.0 mm Allen wrench, tighten all of the screws except the one closest to the front (you will tighten it later).
- 5 > Align the tapered holes along the **left** side panel's bottom edge with the four mounting screws on the left side of the Cubiscan base. The back edge of the panel will wrap around the back edge of the right panel. Do not attach the five screws that hold the side panels together at the back. You will attach them later.

ROUTING THE HEIGHT SENSOR CABLE >

- 1 > The height sensor cable is coiled and tied inside the base frame. Untie the cable and route the end of it through the hole in the back corner of the base.
- 2 > Moving to the outside of the Cubiscan, pull the length of the cable out through the hole. Do not pull the cable too tightly.

- 3 > Slip the cable between the panels into the channel that is formed at the corner. Route the cable through the channel so the connector extends from the top.
- 4 > Attach the five M5 0.8 x 12 screws to the back vertical corner where the two panels come together. Verify that the cable is free and the connector still extends from the top, and then tighten the screws.

ATTACHING THE SENSORS

- 1 > Place the width sensor, labeled "Right," on the right, front corner of the base.
- 2 > Align the holes in the bottom of the sensor casing with the holes in the base frame.
- 3 > Insert the M5 hex-head screws with split washer up through the frame and thread them into the sensor casing.
- 4 > Attach the length sensor, labeled "Left," on the left, front corner in the same manner.
- 5 > Place the height sensor, labeled "Top," at the top of the corner where the side panels meet and align the screw holes.
- 6 > Insert the M5 hex-head screws with the split washers through the holes in the back of the corner, and thread them into the sensor casing.
- 7 > Connect the RJ-45 connector at each sensor to the connector on the back of the sensor.
- 8 > Tighten the front screws that hold the side panels to the base and verify that all screws are securely tightened.

REMOVING THE SHIPPING BOLTS >

- 1 > Use the 6.0 mm Allen wrench to remove the three shipping bolts indicated.



LEVELING

- 1 > Use the bubble level to determine if the Cubiscan 100-T is level. If not, adjust the five legs located on the underside of the Cubiscan up or down until the Cubiscan is level.

CONNECTING POWER >

- 1 > Locate the AC power cord and connect it to the AC power adapter.
- 2 > Route the power cord under the Cubiscan base so it cannot be crushed or bent.
- 3 > Connect the other end of the power cord to a standard power strip.
- 4 > If you are connecting to a computer, plug the USB cable into the USB-B connector on the controller. Plug the other end of the cable into a computer.
- 5 > Place the white sound dampening pad and then the black base cover on the top of the base. When properly inserted, the cover should rest flush with the edge of the base.

