Furio Live – Setting Up PanBar Control Equipment

Start Here: Assembling the Furio PanBar Unit

1

Before You Begin: Set Up Your Furio Live Robot

For information about setting up your Furio Live robot, refer to the appropriate instruction sheet:

- ***Furio SE Live - Setting Up the Track and Robot (5100DR-051-xx)***
- ***Furio S2 Live - Setting Up the Track and Robot (5100DR-061-xx)***

2

Mount the Fluid Head on the Tripod

Remove the **ball mount handle** from the **fluid head**, place the fluid head on the tripod, and then fasten the ball mount handle.

3

Mount the Control Console

Loosen the **locking bolt** on the **control console bracket**, slide the bracket onto the red **dovetail plate** of the **fluid head**, and then tighten the **locking bolt**.

Tip: Rock the control console up and down a bit as you tighten the locking bolt, to seat the console firmly.

4

Mount Operator Monitors (optional)

Note: Operator monitors are not included.

4a Loosen the **mounting lever** on the back of the **monitor stand**.

Tip: The lever can be used like a ratchet handle. Pull the lever outward to disengage.

4b Slide the **monitor stand** base onto the black **dovetail plate** on the top of the **fluid head**, and then tighten the **mounting lever**.

4c Remove the **quick release plates (2)** from the top of the **monitor supports (2)**, and then screw them into the bases of the monitors. Each plate has a **1/4-20 UNC** screw.

4d Loosen the **monitor support knobs** and slide the monitor supports to allow both monitors to fit. Tighten the knobs.

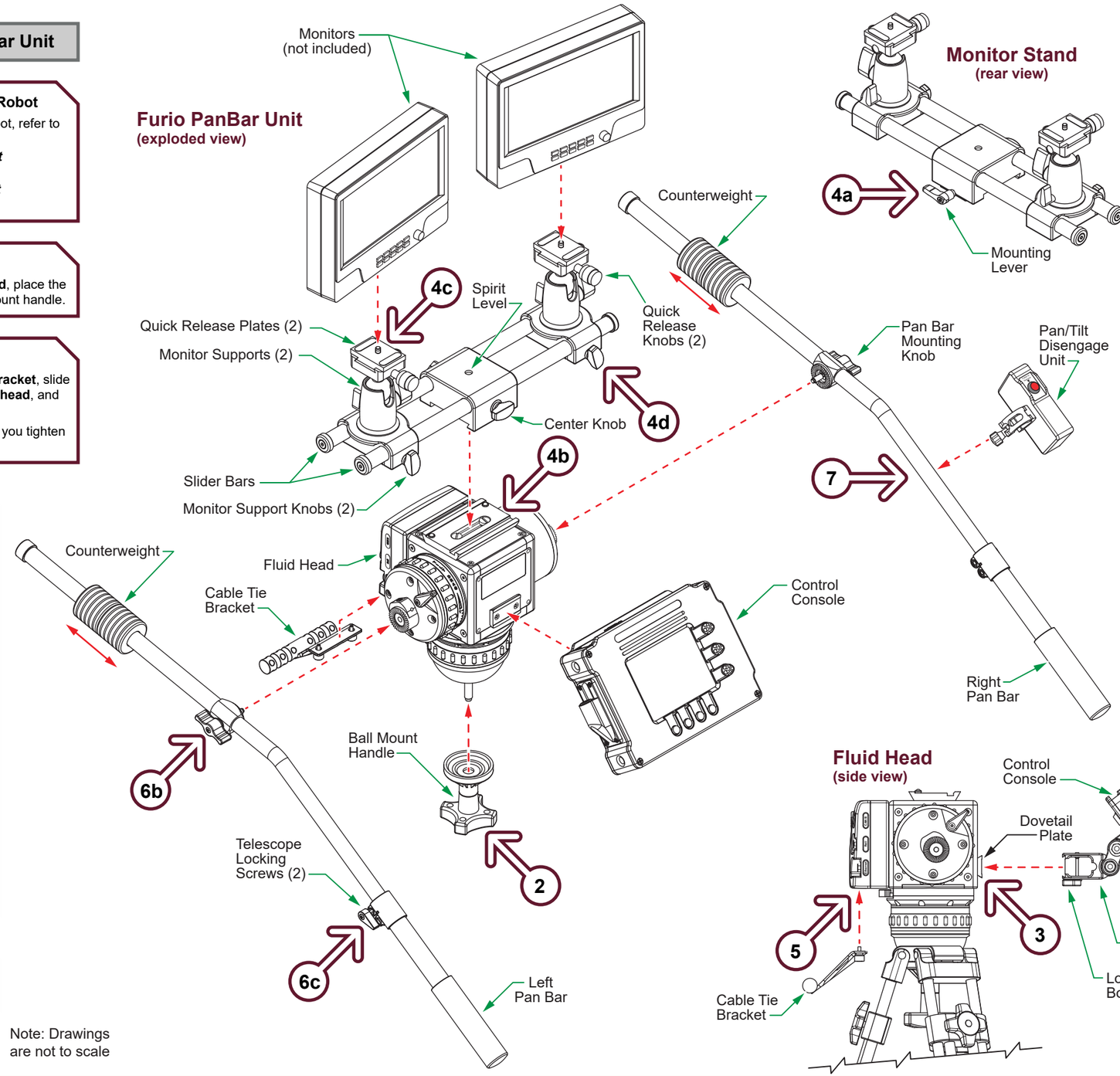
Tip: You can move the **slider bars** that hold the **monitor supports**. Loosen the **center knob**, slide the bars, and then tighten the knob.

4e Mount the monitors by sliding the **quick release plates** back into their dovetail slots. Tighten the **quick release knobs**.

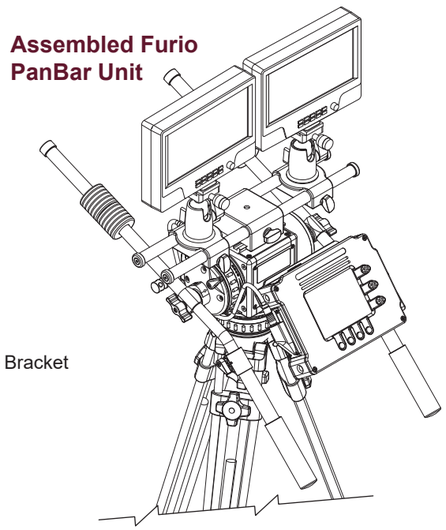
5

Mount the Cable Tie Bracket

Mount the **cable tie bracket** to the **fluid head** using the two captive screws on the bracket.



Note: Drawings are not to scale



Assembling the Furio PanBar Unit (continued)

6

Mount the Pan Bars

6a There is a **right pan bar** and a **left pan bar**. The **mounting knobs** face outwards. Examine the pan bars to the drawing on this page to determine which is right and which is left.

6b Attach both **pan bars** to the **fluid head** using the **mounting knobs**.

Tip: Before you tighten the mounting knobs completely, you can rotate the pan bars to splay them outwards if desired.

6c Loosen the **telescope locking screws**, extend the **pan bars** fully, and then tighten the screws.

7

Mount the Pan/Tilt Disengage Unit

Open the clamp on the **pan/tilt disengage unit**. Attach the unit to the **Right Pan Bar**, with the **red button** facing upwards. Lock and tighten the clamp around the pan bar.

Tip: Tilt the **pan bars** up and down to ensure that the pan/tilt disengage unit does not interfere with the **control console**.

8

Mount External Lens Controls (for zoom and focus)

8a Mount external lens control devices (not included) to the pan bars. Position them as required for easy operation.

8b In the cable bundle from the robot, find the lens control cable (**901-205-50**), and connect it to a lens adapter cable:

- For Canon analog, use cable **901-206-00**.
- For Canon digital, use cable **901-208-00**.
- For Fujinon (analog or digital), use cable **5100CR-093-01**.

8c Connect the lens adapter cable to the lens controls on the pan bars.

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Furio Live – Setting Up PanBar Control Equipment (continued)

Connecting Cables

9

Connect Cables

IMPORTANT: This section describes how to connect robot control components to form a CAN data network. The components must be connected in the order described. The CAN data cable from the robot connects to the **EMERGENCY STOP box** (**step 9a**), and then the network extends through each component, terminating at the **fluid head** (**step 9f**).

Tip: If the robot has no track and no lift, there is no **foot pedal box** and no **foot pedals**.

9a Find the **CAN data cable** in the cable bundle from the robot, and connect it to the **robot port** on **EMERGENCY STOP box**.
Tip: The **robot port** has a drawing of a robotic dolly.
IMPORTANT: Position the **EMERGENCY STOP box** where the operator can easily reach the **STOP** button.

9b On the **EMERGENCY STOP box**, twist the **EMERGENCY STOP** button clockwise to disengage it.

9c Connect a **2.2m (7'2") CAN data cable** (**901-101-2.2M**) from the **EXPANSION PORT** on the **EMERGENCY STOP box** to any **CAN connector** on the **foot pedal box** (if equipped), or to any **CAN connector** on the **control console** (if there are no pedals).

9d Connect any required **foot pedal cables** to the **foot pedal box**, and position the **foot pedals** (**LIFT UP**, **LIFT DOWN**, **TRACK A-B**, **TRACK B-A**) to suit your personal preferences.

9e If there are foot pedals, connect a **2.2m (7'2") CAN data cable** (**901-101-2.2M**) from the **foot pedal box** to any **CAN connector** on the **control console**.

9f Connect the **0.5m (19") CAN data cable** (**901-101-0.5M**) from the **control console** to any **CAN connector** on the **fluid head**.

9g Connect the **1m (39") data cable** (**5100CR-072-01**) from the **P/T DSBL** port on the **fluid head** to the **pan/tilt disengage unit**.

9h Connect power and video cables to the operator's monitors (not shown). Plug the monitor power cables into power outlets.

9i Dress all cables, attaching them to the **cable tie bracket**. Allow cable slack for pan and tilt motion.

9j Find the the **AC power supply cable** in the cable bundle from the robot, and connect it to the **facility's AC power**.

Balancing the Fluid Head

10

Balance the Fluid Head

10a On the **fluid head**, release the **pan lock** and the **tilt lock**.

10b Turn the **tilt drag dial** to reduce tilt drag to the lowest setting.

10c Slide the **counterweights** evenly along both pan bars to balance the fluid head (see other side of this page for drawings of the pan bars and counterweights). If the pan bars do not tilt when released, the fluid head is balanced.

10d Turn the **tilt drag dial** and the **pan drag dial** to set tilt drag and pan drag as desired.

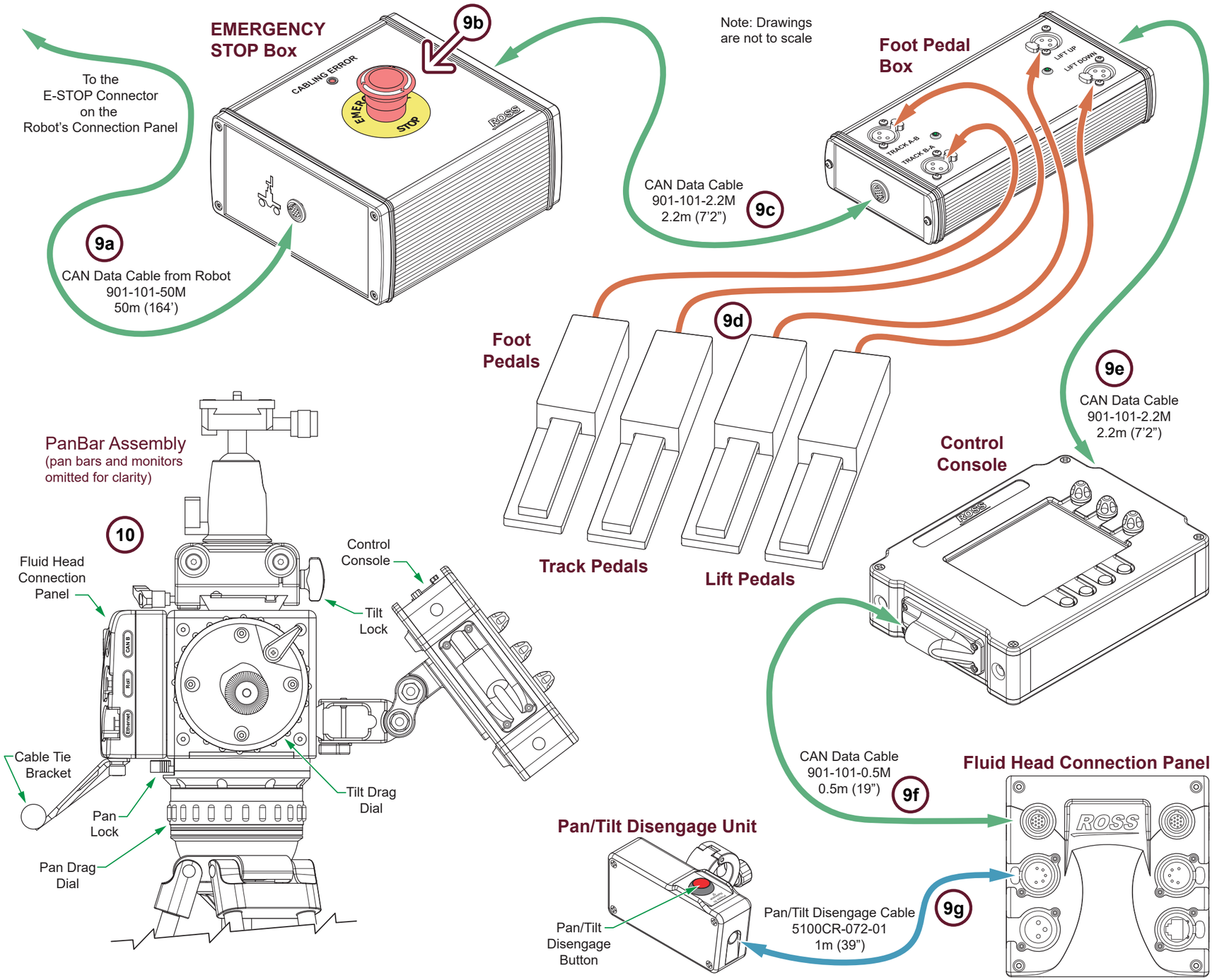
Next Steps: Configuring and Operating the System

11

Configure and Operate the Furio Live System

For detailed instructions, refer to the following instruction sheet:

- ***Furio Live - Configuring and Operating the System, using PanBar Controls (5100DR-064-xx)***



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