

Connecting the Smartsuit Pro™ to Isadora

Install the Plugins

If you haven't installed the Rokoko Studio Live Watcher and its associated plugins, please follow these instructions.

1. Unzip the rokoko-studio-live-watcher.zip archive.
2. Inside the unzipped folder, you will see:

SmartSuit Pro Watcher.izzyplug
Skeleton Decoder.izzyplug
Skeleton Visualizer.izzyplug
rokoko-studio-live-demo.izz

(Note: on Windows, these are folders; on macOS each of these are a "package" that looks like a normal file.)

3. Open Isadora
4. From Isadora's menu, choose **Help > Open Plugin Folder > TroikaTronix Actor Plugins**. Isadora's Actor Plugins folder will open in the Finder (macOS) or Explorer (Windows).
5. If you see a plugin inside this folder called "Smartsuit Pro Watcher.izzyplug", you must delete it before continuing. ("Smartsuit Pro Watcher" was the name of the plugin in a previous version.)
6. Drag all three .izzyplug files/folders to the Actor Plugins folder that opened in Step 3.
7. Quit and Restart Isadora

Connect Rokoko Studio Live and Isadora

For Rokoko Studio Live to send data to another application or plugin, you must be subscribed to the "Plus" subscription plan or greater. Please ensure you are at this subscription level or greater before continuing!

To send motion capture data from Rokoko Studio Live to Isadora requires only a few simple steps. The procedure below assumes that both Isadora and Rokoko Studio Live are running on the same computer.

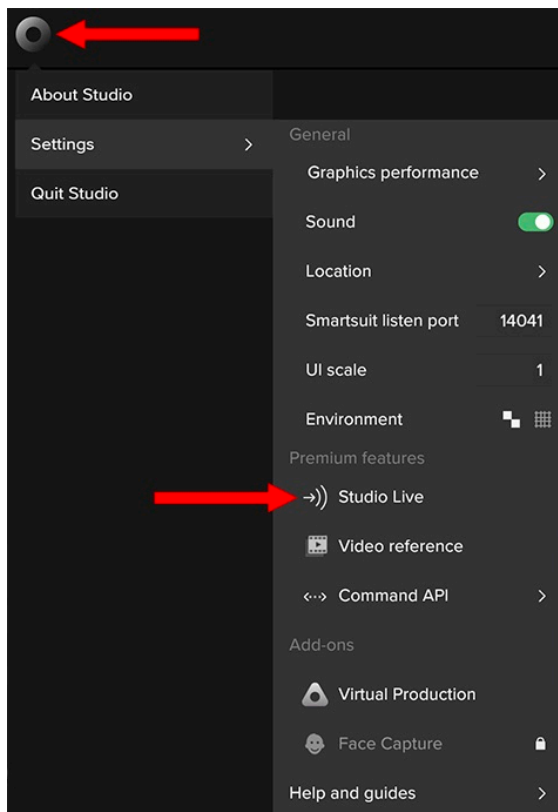
First, in Isadora:

1. Open Isadora

2. Add a Rokoko Studio Live Watcher to the empty scene. We will use this actor to verify that we are receiving data from Rokoko Studio Live.

Now, in Rokoko Studio Live

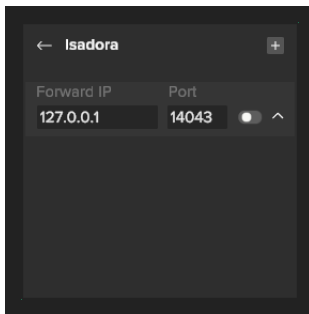
1. Open Rokoko Studio Live
2. If you wish to work with a live source, then follow the normal procedures to connect your Smartsuit Pro to Studio Live.
3. If you want to work with pre-recorded data, click on a project in the dashboard and then play the recording you want to work with.
4. In either case, you should see the animated figure moving in the central area of the Rokoko Studio Live Interface.
5. Click the Studio icon at the top left of the Studio Live window to open the settings menu as shown below, and then choose the "Studio Live" item.



6. You will be taken to the “Studio Live” view. Scroll down a bit and you’ll find the Isadora “tile.”

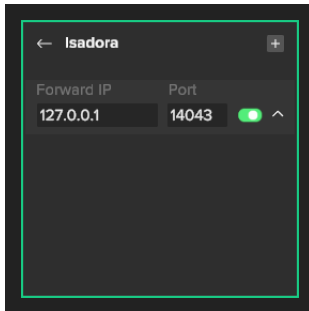


7. Click the little switch at the bottom of this view to start communications with Isadora.
8. When you click the switch, the tile will flip to reveal its settings.



A “Forward IP” address of 127.0.0.1 (also known as “localhost”) indicates that Rokoko Studio Live will forward data to the same computer on which it is running. “Port” number 14043 is the default used for data forwarding. As long as Isadora is running on the same computer as Rokoko Studio Live, and you have not changed the ‘port’ input of the Rokoko Studio Live Watcher actor in Isadora, you should not need to change these settings.

9. Finally, you need to turn on the switch next to the “Forward IP” and “Port” settings to start transmitting. After you do this, the Isadora “tile” gets a green border to show that Studio Live is sending data.

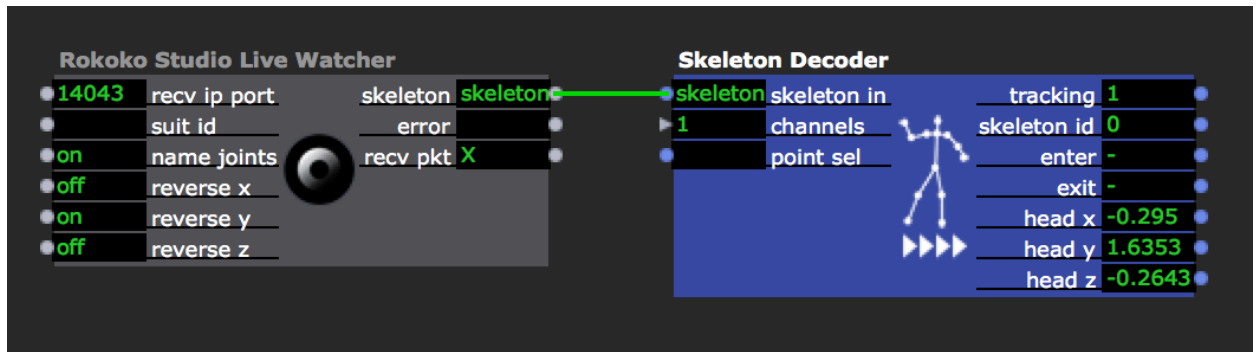


10. You can now click the small arrow at the top left to return to the Isadora tile. Again, the green border indicates Studio Live is sending data.



Back in Isadora:

1. Switch back to Isadora now.
2. Add a Rokoko Studio Live Watcher to the empty scene. We will use this actor to verify that we are receiving data from Rokoko Studio Live.
3. Add a Skeleton Decoder actor to the scene.
4. Connect the ‘skeleton’ output of the Rokoko Studio Live Watcher to the ‘skeleton’ input of the Skeleton Decoder actor.
5. If Isadora is receiving packets from Studio Live the ‘recv pkt’ output of the Rokoko Studio Live Watcher will be an “X”; If it’s not receiving packets, it will be a minus sign.



In addition, the 'head x', 'head y', and 'head z' outputs of the Skeleton Decoder will be changing as the actor in the Smartsuit Pro, or the avatar in the recording that is currently playing, is moving.

Try The Demo File

If you close the current file in Isadora and open "rokoko-studio-live-demo.izz", you can see the Rokoko Studio Live Watcher in action. When you open the file, Isadora's stage will fill the full screen of your computer, and you can follow the instructions there.

We've added several yellow Comment actors to this patch to explain how it works. To see those, you'll want to exit full screen mode pressing Command-Shift-F (MacOS) or Control-Shift-F (Windows).

You can return to full-screen mode by pressing Command/Control-Shift-F again.