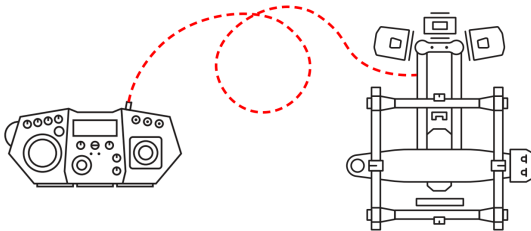


MōVI

Wired Control Kit

Installation Manual



July 2018 | Rev 01

Overview

The MōVI Wired Control Kit allows for reliable control in crowded radio frequency environments that may otherwise lead to interference. The wired solution also helps reduce the radio frequency emissions of the system.

50ft RG-174



100ft RG-58



The kit includes two types of coax cable to choose from. The thinner RG-174 cable is better for shorter distances and when more flexibility is preferred. The RG-58 is better for longer distances and is more durable.

Installation

STEP 1

On the MōVI Pro or MōVI XL, connect the Freely SMA RX (receiver) to the COM1 port on the GCU via the black 5-pin cable. On M-Series MōVI (M5/M10/M15), connect the Freely SMA RX (receiver) to the Com port on the GCU, routed under the strain relief cover.



STEP 2

Bind the MōVI Controller to the SMA RX as per the instructions on page 13 of the MōVI Controller [manual](#).

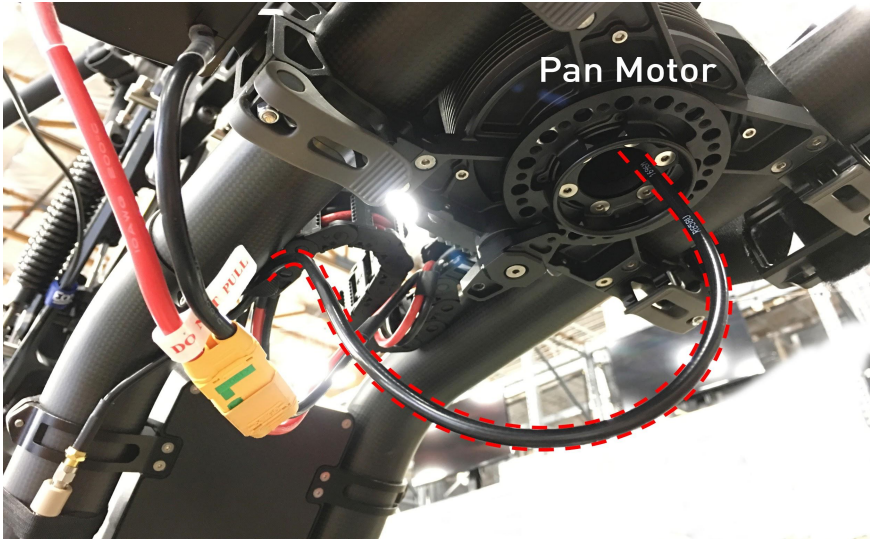
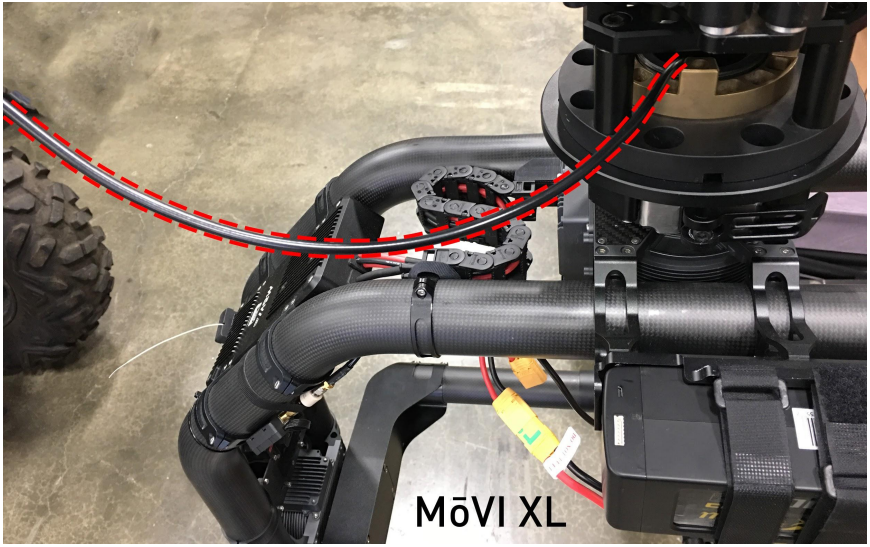
BINDING TO A NEW MōVI CONTROLLER RECEIVER

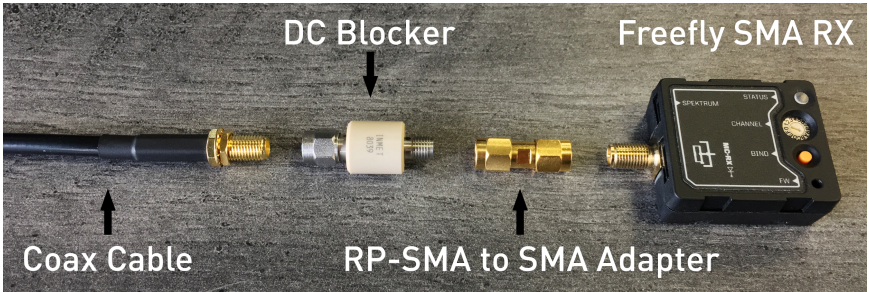
The MōVI Controller comes with a Receiver already bound to it and ready for communication with a MōVI. This MōVI Controller and Receiver form a bound pair. Only that specific MōVI Controller can control that Receiver. However, it is possible to rebind the Receiver to a new MōVI Controller, or bind new Receivers to a single MōVI Controller for working with multiple MōVI systems.

<p>Ensure that the MōVI Controller and Receiver are both set to the same channel, or both set to auto-select (Channel 0)</p> <p>Set the channel in Radio Config:Channel on the MōVI Controller.</p> <p>Apply changes with Radio Config:Radio Actions:Write.</p> <p>Select the same channel on the Channel Switch at the Receiver.</p>
<p>Select a Device Group. Binding is specific to a Device Group; the receiver is joining the chosen group. See Radio Config menu description for more info.</p> <p>Set the Device Group in Radio Config:Radio Actions:Write.</p> <p>Apply changes with Radio Config:Radio Actions:Write.</p>
<p>Initiate Bind Mode on the MōVI Controller Receiver.</p> <p>Press and hold the Bind button on the Receiver for at least two seconds. The Status LED will be fast-flashing orange to indicate the Bind Mode is active and it is seeking a MōVI Controller with which to bind.</p> <p>After a few seconds, the Status LED will change to slow-flashing orange to indicate that a MōVI Controller has been detected and the Receiver is requesting permission to bind. A slow-flashing red Status LED at this point indicates that no MōVI Controller was detected.</p>
<p>Initiate Bind Mode on the MōVI Controller.</p> <p>Allow the Receiver to bind by starting Bind Mode on the MōVI Controller with Radio Config:Radio Actions:Write.</p> <p>After a few seconds, the Receiver will indicate successful binding with a solid green Status LED. A solid red Status LED indicates a bind failure.</p>
<p>Following a bind, the receiver will reset. During this time the Status LED will return to flashing green momentarily as the connection starts. After a few seconds, the MōVI will be connected.</p> <p>The receiver Status LED will return to solid green to indicate that it is receiving control data from the MōVI Controller.</p> <p>The MōVI Controller will display a connection icon () and display MōVI battery voltage in the Status Bar to indicate that it is receiving data from the MōVI.</p>
<p>If the bind process fails, try repeating Steps 1-5. For further troubleshooting steps, refer to the Troubleshooting section.</p>

STEP 3

If you are using the MōVI XL, route the coax cable through the pan motor. If using with other MōVI models, guide cable around pan motor and down to the GCU. Always route cabling so that it has enough slack during shooting action such that it doesn't restrict movement.





STEP 4

Attach the “RP-SMA to SMA adapter” and the “DC blocker” to the Freely SMA RX. Attach 50’ or 100’ coax cable in-between the MōVI Controller and the SMA RX. Mount Freely SMA Rx on MōVI with included dual lock tape.



STEP 5

Power on the system and verify everything is functioning normally.