Programming Guide for Sunrise

This article explains how to program both driving and seating modes in Ability Drive®. For the mode button to be turned on to access seating the OMNI2 needs to be mounted next to the eye gaze device. Please contact us and we will remote into the eye gaze device and turn the mode button on. Phone (425)242-3902 or support@tolttechnologies.com

Sunrise Programming Guide Using an OMNI2 Display - One Profile

First, plug in the programmer dongle into the RNet bus.

Go to the OBP programming menu on the OMNI 2:
      Select "Profiles"
            Select PrfEn
                  Set Prf6 to Yes

(Profile 6 will be used for Ability Drive® and the name can be set in the laptop R-Net programming application)

Go to the OBP programming menu:
      Select "Input Devices"
            Select Type
                  Set Pr6 to Omn

Go to the OBP programming menu:
      Select "Modes"
            In the Prf 6 row, set any modes you would like to be changed in Ability Drive to Yes.
            Set Mode 1 to Yes
            Set Mode 2 to Yes
            Set Mode 8 to Yes

(The modes can be configured in the laptop R-Net programming application. Typically, mode 1 is set to Indoor Slow Driving, Mode 2 is set to seating, and Mode 8 is set to be available when a programmer dongle is attached to program the chair. Make sure to adjust and test the parameters for each mode enabled)

Go to the OBP programming menu:
      Select "Omni"
            Select "Profiled"
                  Set Pr6 to 1
            Select "Port 1"
                  Change SID to Swi - for Switch
                  Select Switches
                        Set User Switch to NO
                        Set Switch Detect to Off
                        Set Switch Long to 0

(Port 1 is where the 9-pin cable from the ADT is plugged in on the chair)

Go to the OBP programming menu:
    Select "Omni"
        Select "Port 1"
            Select "Controls"
                Set User Control to "Seq" - for Sequence
                Set Actuator Axes to Norm - for Normal

(This setting allows the right / left arrows to select what seat position is being adjusted and the forward / back arrows to make the adjustment)

            Select "User Menu"
                Select "Position"
                    Set Position 1 to "Md1" for Mode 1 - for Drive
                    Set Position 2 to "Md2" for Mode 2 - for Seating
                    Set Positions 4-16 to "Blnk" - for Blank
                    (Optional) Set Position 3 to "SAdj" - for Speed Adjust
                Select "Position Type"
                    Set Position 1 Type to "Entyt"
                    Set Position 2 Type to "Enty"
                    Set Position 3 Type to "Enty"

(These positions and their associated modes will toggle between driving mode and seating mode when selecting the mode button in Ability Drive®)

Go to the OBP programming menu:
    Select "Latched"
        Select "Drive"
            Set Pr6 to Off
        Select "Acts"
            Set Pr6 to No

(Never use latched driving with Ability Drive®, it is dangerous)

Go to the OBP programming menu:
    Select "Controls"
        Select "Profiled Controls"
            Set Pr6 to 0

(This setting keeps the OMNI2 from going to sleep after 30 minutes)