# Vista Systems Spyder

## Requirements

- DVE Send and Remote Control software option
- Ethernet Cable

## Switcher Setup

The switcher must be set up to send custom commands to the Spyder to perform layout recalls. These custom commands can then be inserted into custom controls to recall specific layouts.

### To Set Up Communications

1. Press **HOME** ⇨ **Setup** ⇨ **Installation** ⇨ **Com Setup** ⇨ **Type**.
   - Use the **Com Port** knob to select the **PERIPH X** port that you connected the Spyder to.
   - Use the **Type** knob to select **DVE**.
2. Press **Select Device**.
   - Use the **Device** knob to select **CUSTOM0**.
3. Press **Com Type**.
   - Use the **Type** knob to select **Network UDP**.
4. Press **Com Setting**.
5. Use the **Client/Server** knob to select **Client**.
   - In the **Remote IP Address** field, enter the IP address of the Spyder.
   - In the **Remote Port** field, enter **11116**. Use this value unless told otherwise by the Vista Spyder documentation.
6. Press **Custom Devices**.
   - Use the **Custom** knob to select **CUSTOM0**.
7. Press **Modify**.
8. Use the **Command Tag** knob to select **REWIND**.
9. Press **Insert Line**.
   - Use the **Set Nibble** knob to select **7**.
   - Press **Toggle Nibble**.
   - Use the **Set Nibble** knob to select **3**.
10. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **7**.
11. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **7**.
    - Press **Toggle Nibble**.

- Use the **Set Nibble** knob to select **9**.
12. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **6**.
    - Press **Toggle Nibble**.
    - Use the **Set Nibble** knob to select **4**.
13. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **6**.
    - Press **Toggle Nibble**.
    - Use the **Set Nibble** knob to select **5**.
14. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **7**.
    - Press **Toggle Nibble**.
    - Use the **Set Nibble** knob to select **2**.
15. Press **Insert Line**.
16. Press **Insert Line**.
17. Press **Insert Line**.
18. Press **Insert Line**.
19. Use the **Command Tag** knob to select **DVE RECALL**.
20. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **7**.
    - Press **Toggle Nibble**.
    - Use the **Set Nibble** knob to select **2**.
21. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **7**.
    - Press **Toggle Nibble**.
    - Use the **Set Nibble** knob to select **3**.
22. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **6**.
    - Press **Toggle Nibble**.
    - Use the **Set Nibble** knob to select **3**.
23. Press **Insert Line**.
    - Use the **Set Nibble** knob to select **2**.
24. Press **Insert Line**.
25. Press **Toggle Special**.
26. Press **Special Options**.
    - Use the top knob to select **Param**.
    - Use the middle knob to select **Ascii BDM**.
    - Use the bottom knob to select **4 digit**.

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- Toggle **Byte Format** to **MOT**.
- Toggle **Scaled** to **No**.
- Toggle **ASCII Extended** to **No**.
- Toggle **Signed** to **No**.

**27.** Press **Accept**.

**28.** Press **Insert Line**.

- Use the **Set Nibble** knob to select **2**.

**29.** Press **Insert Line**.

- Use the **Set Nibble** knob to select **3**.
- Press **Toggle Nibble**.
- Use the **Set Nibble** knob to select **1**.

**30.** Press **Insert Line**.

- Use the **Set Nibble** knob to select **2**.

**31.** Press **Insert Line**.

- Use the **Set Nibble** knob to select **7**.
- Press **Toggle Nibble**.
- Use the **Set Nibble** knob to select **2**.

**32.** Press **HOME ⇨ Confirm**.

## Custom Controls

The switcher uses custom controls to send the custom commands
you just created to the Spyder to recall layout.

### *To Create Custom Controls*

**1.** Press **HOME ⇨ Custom Controls**.

**2.** Select the custom control you want to use to recall a layout on.

**3.** Press **Start Recording ⇨ Insert Special ⇨ DVE**.

**4.** Use the **Device** knob to select **CUSTOM0**.

**5.** Use the **Function** knob to select **Rewind**.

**6.** Press **Insert**.

**7.** Use the **Function** knob to select **Recall**.

**8.** Use the bottom knob to select the layout on the Spyder that you
want to recall.

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