

Title: DCX-MC110 / DCX-MC210 Wiring for Oriel Encoder Mikes
Products(s): DCX-AT200, DCX-PC100, MC110, MC210
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Summary

Oriel's Motor Mike range of precision linear actuators may be directly driven from the DCX-AT200 motion controller with MC210 advanced servo drive modules, or the DCX-PC100 motion controller with MC110 servo drive modules.

More Information

Pin-out's for the Oriel Encoder Mike may be found in Figure 1. To match up with the control signals from the MC110 / MC210 module it will be necessary to re-arrange the conductors of the ribbon cable used to connect the Encoder Mike to the MC110 / MC210. Note that Oriel's numbering for the Encoder Mike connector is not the same as the standard pin numbering for an IDC type connector.

1	4	1 Motor +	4 Motor -
2	5	2 Ground	5 Encoder Power
3	6	3 Encoder A+	6 Encoder B+

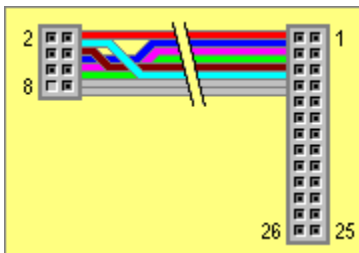


Figure 1: 8-Pin IDC to 26-Pin IDC Connector Wiring

The easiest way to begin is to attach an eight-conductor piece of ribbon cable to a 26-pin female IDC connector so that it is connected to pins one through eight. This connector will mate to the 26-pin male connector on the MC110 / MC210. At the other end of the cable attach an 8-pin female IDC connector, wired as shown in Figure 2. To prevent errors when connecting the Encoder Mike connector to the 8-pin IDC connector a Keying Plug may be inserted in position eight of the 8-pin IDC connector.

26 Pin IDC	8 Pin IDC
1	1
2	4
3	5
4	6
5	3
6	2
7	Not used
8	Not used

The actual pin-to-pin connector wiring is shown in the table to the right. The connector pin numbers shown are the standard IDC connector pin numbers, not the pin numbering used by Oriel to describe the Encoder Mike connector (see Figures 1 & 2).