

iL24 Digital Logic Interface

Hardware Reference



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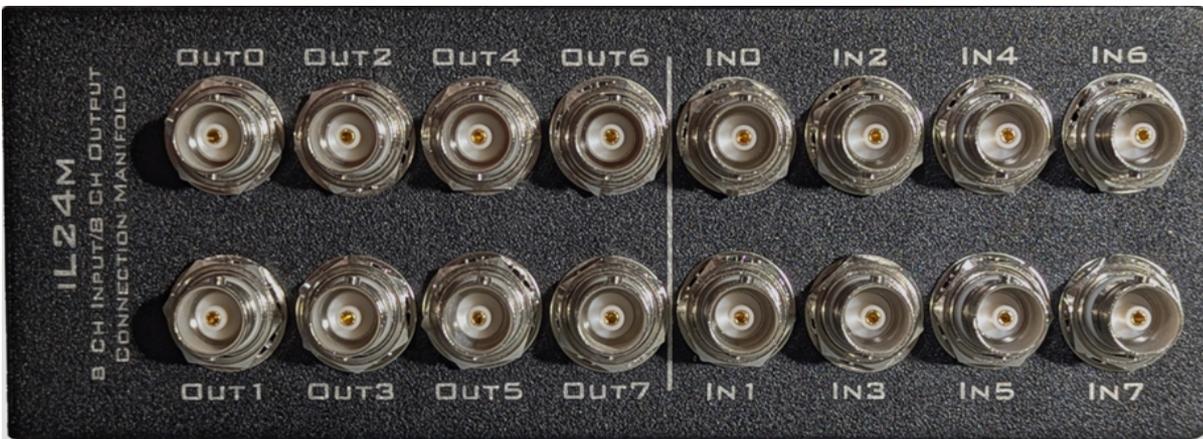
The iL24 module can communicate with external behavioral components using 24 bits of 5 V or 3.3 V TTL logic signals. There are 12 input bits and 12 output bits. Each direction has 4 addressable bits and 1 addressable byte.

- There are four bit-wise inputs and four bit-wise outputs available with BNC connectors and status light for each
- The DB25 connector has access to all 24 addressable bits
- Two rows of 8 status LEDs on the front panel show the state of the word input and output bits
- The front panel switch toggles between +3.3 V and +5 V logic for all 24 bits of I/O on the iL24
- Each bit can source up to 6 mA maximum current

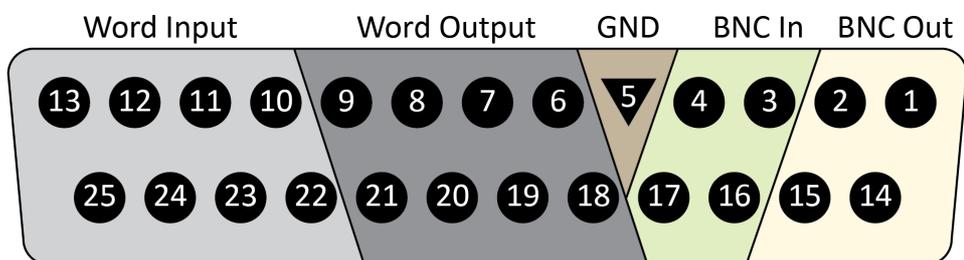
For information on software control of the iL24, see the [Synapse Manual](#).

iL24m Manifold

The iL24 comes with a manifold of BNC connectors for easier access to the Word Input and Word Output bits.



DB25 Pinout



iL24 pinout, looking into the connector

Pin	Name	Description	Pin	Name	Description
1	B01	BNC Output	14	B02	BNC Output
2	B03		15	B04	
3	B11	BNC Input	16	B12	BNC Input
4	B13		17	B14	
5	GND	Ground	18	D00	Word Output
6	D01	Word Output	19	D02	
7	D03		20	D04	
8	D05		21	D06	
9	D07		22	D10	Word Input
10	D11	Word Input	23	D12	
11	D13		24	D14	
12	D15		25	D16	
13	D17				