

Classic Organ Works

www.organworks.com

905-475-1275

midisales@organworks.com

MIDIjet Pro WMJ-002-OEM Datasheet

Description

The MIDIjet Pro WMJ-002-OEM is a wireless module designed to be embedded into musical equipment with MIDI support. Features MIDIjet wireless technology, which connects any two pieces of MIDI gear. Optimized for musical applications, the technology provides cost effective, reliable wireless links with low latency.

Applications

The MIDIjet Pro WMJ-002-OEM module is designed to be embedded in the following products:

- o Portable MIDI instruments (wind controllers, keyboards, and percussion instruments)
- o MIDI keyboards and control surfaces
- o Player pianos

Features

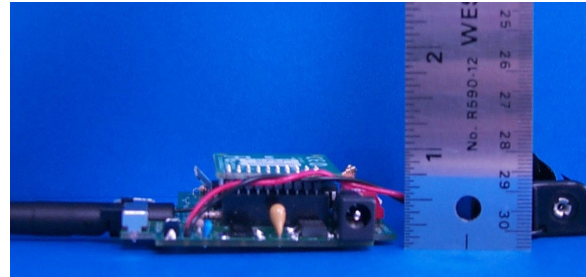
- o 500-foot range (with line of sight)
- o Operate up to 31 adapter pairs at the same time
- o Low latency
- o Low power consumption for long battery life
- o Operates on 2.4 GHz license-free band
- o Gracefully handles signal drop out — no notes stuck on
- o Low Battery and Link display indicators

Specifications

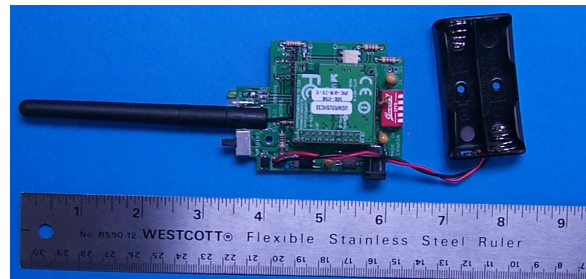
Dimensions

2150 (w) x 2570 (l) x 875 (h) 1/1000 of an inch without antenna

Please inquire about special dimensional requirements



Side View



Top View

Power Requirements

Voltage - 3.3V (2.7V to 3.6V) via JP5
- 6V to 9V through regulator (JP6)

Current ~ transmitter 10 mA at idle
~ receiver 70 mA average
~ 250 mA during data transmission

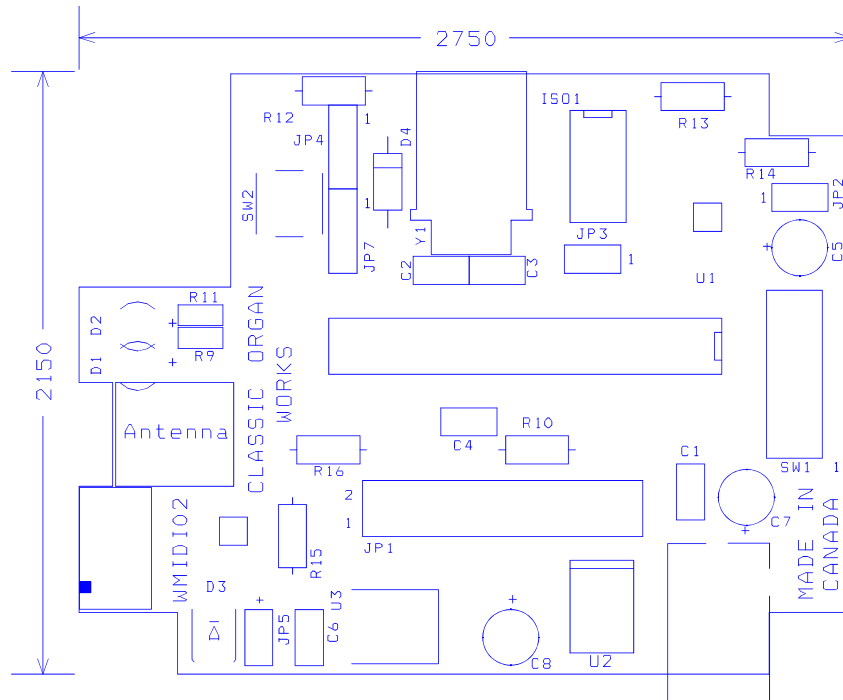
MIDI I/O

Unit set for either transmit (JP3 linked) or receive (JP3 open) operation. Standard optically isolated MIDI Input accepted via JP4. Standard MIDI Output provided via JP7.

Wireless Characteristics

- o Standard output power is 20 mW. For applications that do not require battery operation, output power can be increased at the factory to 200 mW.
- o A variety of antennas are available.

PCB



Dimensions in 1/1000th of an inch



Schematic

