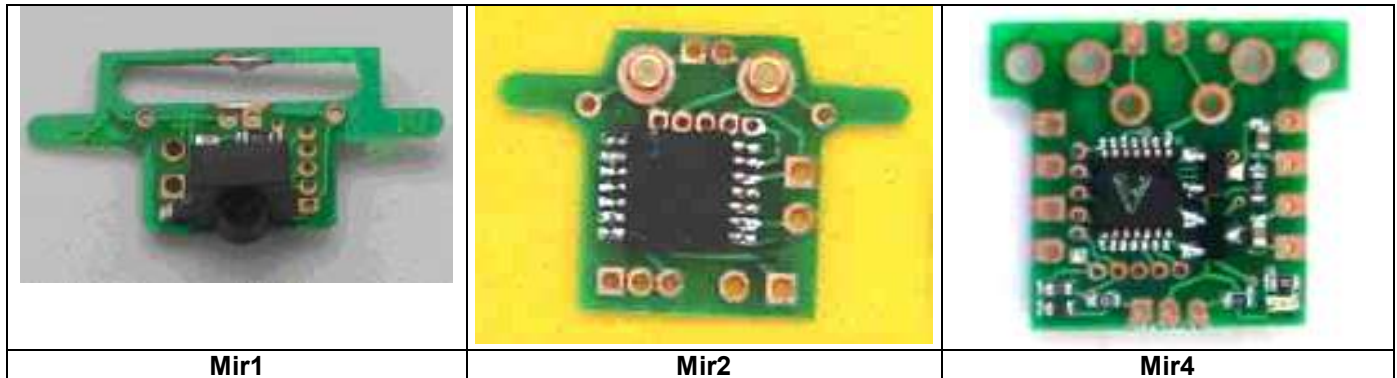


MIR – mini-circuit family using PIC microcontrollers

For ultra-light planes, miniature gadgets, train models, etc.



MIR is a family of miniature receivers for miniature modelism applications where they control actuators, LEDs from an IR signal. They may also read push button, temperature sensor, etc.
The power required is 2.5 to 6 Volts.

Mir1	1 bidirectional output max 20 mA, 1 IR input	CHF 15.-
Mir2	2 outputs 30 mA (H-bridge) 1 IR input	CHF 20.-
Mir4	2 outputs 0.4A , 2 transistorised outputs 0.5A, 1 IR input	CHF 24.-
Mir6	6 outputs for servos, 1 amplified 0.5 V output, 1 IR input	CHF 20.-

The **Mir1** receiver has been designed to control a magnetic actuator (BIRD) with maximum 30 mA at 3V. It is used to control the direction of a glider or caoutchouc-plane weighting 2-3 g.
The original concept is to insert the Cr1220 battery into a slot of the PCB. No switch, no connector!

www.didel.com/lr/Mir1.pdf

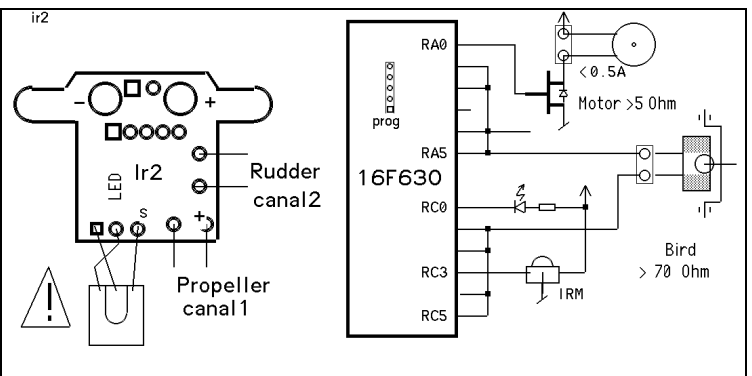
The MIR1 receiver only works at few meters. With a 15 mAh Lipo, Daniel Gourribon did a nice flight – thanks for the video. http://www.dailymotion.com/video/xbz5cv_hangarrat-telecommande_webcam

The **Mir2** receiver is a two-channel receiver for 4-8 g planes with one propeller and one BIRD actuator (50 ohm or more).

MIR2 has a low-power H-bridge output (max 30-40 mAh) and a 0.5 A transistorized output. Mir2 may also control applications via a transistor <500mAh with separate 12V.

www.didel.com/lr/Mir2.pdf

The standard version uses a 10 to 50 mAh Lipo fixed with Bahoma 5mm magnets. One can also solder 2 wires.

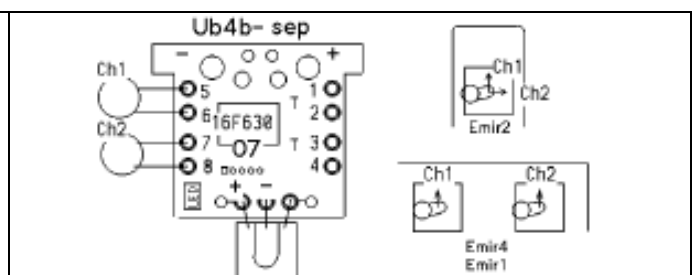


Mir4 has 2 bidirectionnal channels (0.4 A Hbridges) and is designed to control a 2-wheel robot, a crane, an x-y plotter, etc. Drivers can deliver 0.5A.

The extension connector controls 3 servos.

Various programs exist to control planes or robots.

www.didel.com/lr/Mir4.pdf



The Mir 6 receiver controls 6 servos. The orders are written in CALMAC (macros en French).

Text about modules Mir in French . www.didel.com/lr/Mir.pdf

And about the EMIR IR transmitters: www.didel.com/lr/Emir.pdf