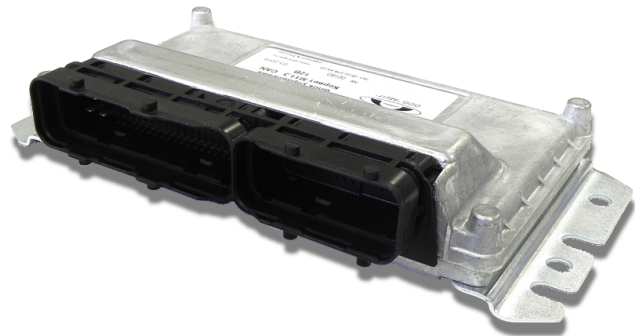


# AiM User Guide

## Abit Korvet M11

Release 1.00

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ECU

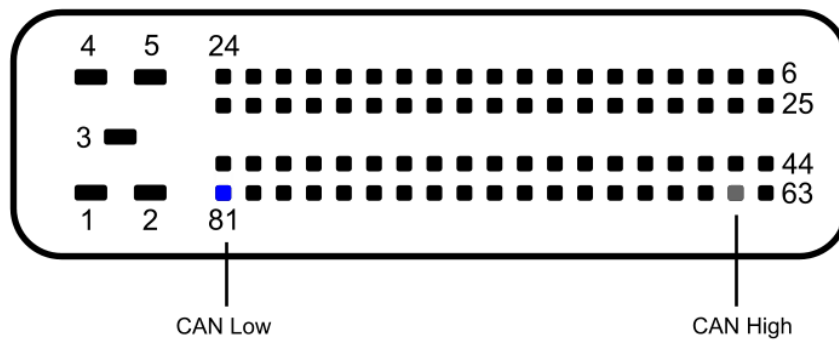


This user guide explains how to connect Abit ECU to AiM devices. Supported model is:

- Abit Korvet M11

# 1 Wiring connection

Abit Korvet M11 ECU features a CAN communication protocol on the 63 front connector. Here below are connector pinout and connection table.



Pin	function	AiM cable
62	CAN High	CAN+
81	CAN Low	CAN-

# 3 AiM device configuration

Before connecting the ECU to AiM device set it up using AiM Race Studio software. The parameters to select in the device configuration are:

- ECU manufacturer "Abit"
- ECU Model "Korvet\_M11"

## 4

# Available channels

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Channels received by AiM devices connected to "Abit" "Korvet\_M11" protocol are:

<b>ID</b>	<b>CHANNEL NAME</b>	<b>FUNCTION</b>
ECU_1	ECU_RPM	RPM
ECU_2	ECU_AIR_FLOW	Inlet air flow
ECU_3	ECU_MAN_AIR_P	Manifold air pressure
ECU_4	ECU_ENG_LOAD	Engine load
ECU_5	ECU_THROTTLE	Throttle position sensor
ECU_6	ECU_THR_REQ	Required throttle position
ECU_7	ECU_PEDAL_POS	Pedal position sensor
ECU_8	ECU_ENG_TEMP	Engine temperature
ECU_9	ECU_INT_AIR_TEMP	Intake air temperature
ECU_10	ECU_ECT_2	Engine coolant temperature 2
ECU_11	ECU_BARO_PRESS	Barometric pressure
ECU_12	ECU_BOOST_PRES	Boost pressure
ECU_13	ECU_MAX_BOOST	Max permissible boost pressure
ECU_14	ECU_WASTE_GATE	Waste gate signal
ECU_15	ECU_TPS_CHANGE	Throttle position change
ECU_16	ECU_FUEL_PRES	Fuel pressure
ECU_17	ECU_OIL_PRES	Oil pressure
ECU_18	ECU_WATER_PRES	Water pressure
ECU_19	ECU_SPEED	Vehicle speed
ECU_20	ECU_IGN_DWELL	Ignition dwell time
ECU_21	ECU_GEAR	Engaged gear
ECU_22	ECU_ERR	Internal error number
ECU_23	ECU_LAMBDA	Lambda value
ECU_24	ECU_OXYGEN	Oxygen sensor voltage
ECU_25	ECU_CRANK_POS	Crankshaft position sensor value



ECU_26	ECU_LAMB_REQ	Required air/fuel ratio
ECU_27	ECU_1INJ_PHASE	First row injection phase 1
ECU_28	ECU_2INJ_PHASE	Second row injection phase 2
ECU_29	ECU_IGN_ADV	Ignition advance
ECU_30	ECU_INJ_DUTY_CY	Injector duty cycle
ECU_31	ECU_1INJ_TIME	First row injection time 1
ECU_32	ECU_2INJ_TIME	Second row injection time 2
ECU_33	ECU_ACC1	Accelerometer 1
ECU_34	ECU_ACC2	Accelerometer 2
ECU_35	ECU_IGN_ADV_COR	Ignition advance correction due to detonation
ECU_36	ECU_EGT1	Exhaust gas temperature
ECU_37	ECU_FUEL_TEMP	Fuel temperature
ECU_38	ECU_OIL_TEMP1	Oil temperature 1
ECU_39	ECU_OIL_TEMP2	Oil temperature 2
ECU_40	ECU_FUEL_CONS	Fuel consumption
ECU_41	ECU_ROUTE_FUEL	Route fuel consumption
ECU_42	ECU_SPENT_FUEL	Spent fuel
ECU_43	ECU_V_BATT	Battery supply