

AiM Infotech

Benelli
TNT 1130, TNT 1130R,
TNT 1130K ECU

Release 1.00



ECU



1

Bike models and years

This tutorial explains how to connect Benelli TNT bike to AiM devices. Supported models and years are:

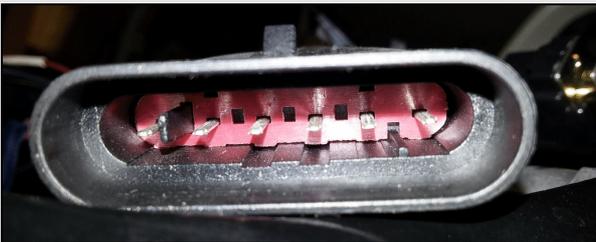
- Benelli TNT 1130 from 2004
- Benelli TNT 1130R from 2011
- Benelli TNT 1130K from 2006

Please note: Benelli TNT 899 is not supported.

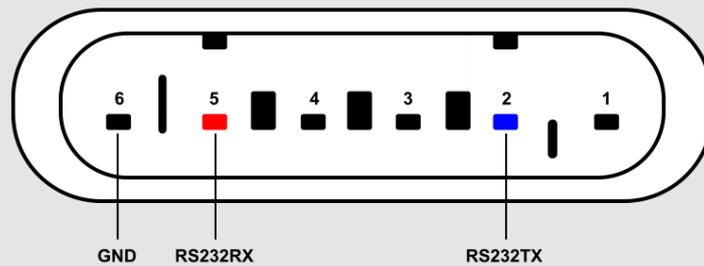
2

Serial communication

Benelli TNT1130, TNT 1130R and 1130K bikes communicate using the serial protocol on a Tyco Superseal 1.5 series 6 pins male connector placed under the bike seat and shown here below.



Below you can see Tyco Superseal 1.5 series 6 pins male connector pinout (front view) and the connection table.



Superseal pin	Pin function	AiM cable label
2	RS232TX	RS232RX
5	RS232RX	RS232TX
6	GND	GND

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AiM Logger configuration

Once the ECU connected to the logger set up the logger as follows:

Run Race Studio 2 software and follow this path:

- Device Configuration -> Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Walbro" and ECU Model "AI_BEN_04"
- transmit the configuration to the device pressing "Transmit".



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Available channels

Channels received by AiM devices connected to Walbro A1BEN_04 are:

ID	CHANNEL NAME	FUNCTION
ECU_1	RPM	RPM
ECU_2	MAP	Manifold air pressure
ECU_3	TPS	Throttle position sensor
ECU_4	TAIR	Intake air temperature
ECU_5	TENGINE	Engine cooling temperature
ECU_6	VBATT	Battery supply
ECU_7	LAMBDA	Lambda value
ECU_8	IDLEPOSITION	Idle position
ECU_9	DERIVTPS	Throttle position sensor derivative
ECU_10	SIDE_STAND	Side stand
ECU_11	NEUTRAL	Neutral sensor
ECU_12	MAPPA_ATTIVA	Active map
ECU_13	TIPO_OVER	Tip over sensor
ECU_14	SPEED	Speed