

Name	
ECU V6	

Purpose	
The Electronic Control Unit (ECU) is a component of the THOR electronic exhaust system. The ECU's task is to store and play audio tracks.	

Dimensions and weight	
Width	102 mm
Height	37 mm
Length	156 mm
Weight	0,32 kg

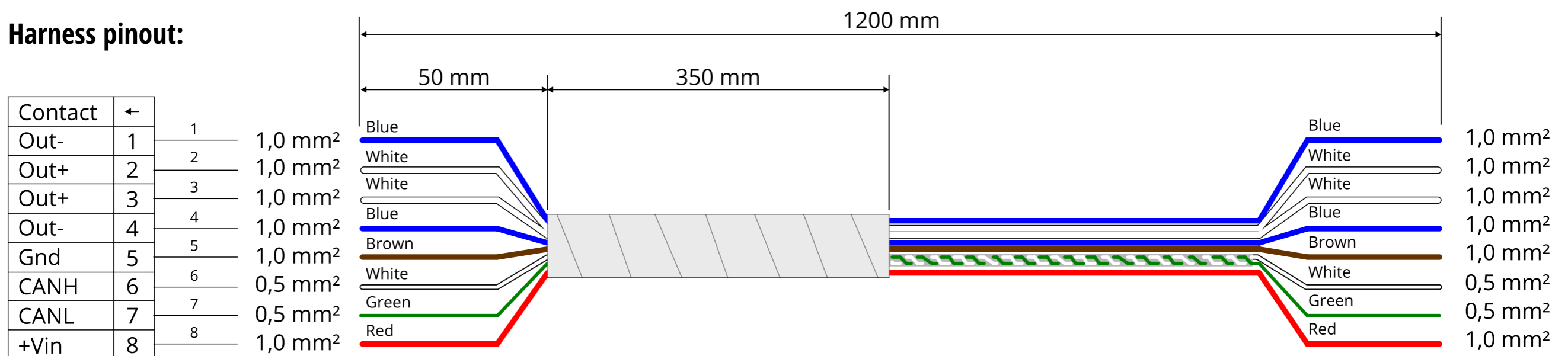
Operating conditions	
Ambient temperature	from -30°C to +60°C
Atmospheric pressure	not lower than 61 kPa (457.5 mm Hg)
Relative air humidity	up to 80% at a temperature of + 25 °C

Electrical specifications	
Input voltage	12 V to 15 V
Current strength (consumption)	up to 7 A
Number of channels	1
Load resistance	1 Ohm
Ingress Protection Code	IP50
Amplifier type	D class
Bluetooth module type and features	Bluetooth 5.0, location — see general view
Max Power	90 W

Packaging	
PRODUCT BOX	
Packaging dimensions	170x110x165 mm
Gross weight	0.54 kg
MASTER BOX x10	
Packaging dimensions	420x270x230 mm
Weight	7 kg
Harmonized System Code (HS)*	8537109900

\*Recommended HS code (for reference): 853710 — electronic control unit. Exact 8–10 digit code may differ by country; importers should confirm with local customs.

### Harness pinout:



The amplifier in the Thor control unit is single-channel. Inside the Thor unit, the blue and white wires are internally linked, so the two pairs of speaker wires correspond to the same output channel.

You can connect the speakers in parallel to these wires. The maximum number of speakers that can be connected to one control unit is no more than two large speakers and one Echo via a crossover.

You can simply distribute the speaker connections using the provided pairs of wires.

LED indication		
LED color	Indication Mode	Meaning
Red	Two slow flashes	CAN file is missing
	Three slow flashes	sound files are missing
	Four slow flashes	amplifier circuit malfunction*
	Five slow flashes	the block is a locked
Green	Slow flashing	The engine is not running (no RPM data available), or there is no data on the CAN bus, or the connection is incorrect / the wrong vehicle has been selected
	Constant light	data CAN bus has been received, the system is operating normally
	Fast flashing	recording to flash memory
Off		ECU sleep mode
		no power supply

\*Causes of malfunctions in the amplifier circuit

- Short circuit in the speaker wires or in the speakers themselves.
- Overload when connected to a load that is too low or speaker failure.
- Amplifier failure.