

CANTCU – MoTeC JRR integration v1.0

- **CAN Speed** is configurable
- CAN2.0B, Standard 11bit identifiers
- All 16 bit values are **Little Endian**

MoTeC Configuration:

- **JRR CAN setup**
- Torque needs to be calculated in MoTeC (corrected & uncorrected)

Available Realtime-values in CANTCU (sent from MoTeC):

- *Engine RPM*
- *TPS Value*
- *Engine MAP*
- *Wheel Speeds*
- *Brake Switch*
- *Coolant Temperature*
- *Engine Oil Temperature*
- *Engine Torque (corrected)*
- *Engine Torque (uncorrected)*

Available Realtime-values in MoTeC (sent from CANTCU):

- *Gearbox Gear*
- *Gearbox Drive Modes / DriveLogic Modes*
- *Gearbox Oil Temp*
- *Gearbox Engine Target Torque*
- *Shiftcut parameters (digital/percentage)*
- *Blip parameters (digital/percentage)*
- *Clutch Slip %*
- *RPM Target*
- *Delta Values for Torque and RPM*

Rate	CAN ID	Type	Offset	Realtime variable	Unit	Factor
100 Hz	Base	BIT	0	Cut Active	0/1	1
100 Hz	Base	BIT	1	Blip Active	0/1	1
100 Hz	Base	BIT	8	UpShift Active	0/1	1
100 Hz	Base	BIT	9	DownShift Active	0/1	1
100 Hz	Base	UINT8	16	Cut %	%	1
100 Hz	Base	UINT8	24	Blip %	%	1
100 Hz	Base	UINT16	32	TCU RPM Target	RPM	1
100 Hz	Base	INT16	48	TCU Torque Target	Nm	1
50 Hz	Base+1	UINT16	0	Input RPM	RPM	1
50 Hz	Base+1	UINT16	16	Output RPM	RPM	1
50 Hz	Base+1	UINT16	32	TCU Delta RPM	RPM	1
50 Hz	Base+1	INT16	48	TCU Delta TQ	Nm	1
10 Hz	Base+2	INT8	0	TCU Gear		1
10 Hz	Base+2	INT8	8	TCU Oil Temp	C	1
10 Hz	Base+2	UINT8	16	TCU Auto/Manual		1
10 Hz	Base+2	UINT8	24	TCU DL/DriveMode		1
10 Hz	Base+2	INT8	32	Clutch Slip %	%	1
10 Hz	Base+2	INT8	40	Converter Slip %	%	1

Base IDh

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte 7	TCU Torque Target							
Byte 6								
Byte 5	TCU RPM Target							
Byte 4								
Byte 3	Blip %							
Byte 2	Cut %							
Byte 1	-	-	-	-	-	-	DnShift	UpShift
Byte 0	-	-	-	-	-	-	Blip	Cut

Base ID+1h

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte 7	TCU Delta TQ							
Byte 6								
Byte 5	TCU Delta RPM							
Byte 4								
Byte 3	Output RPM							
Byte 2								
Byte 1	Input RPM							
Byte 0								

Base ID+2h

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte 7	Last Shift Time							
Byte 6								
Byte 5	Converter Slip %							
Byte 4	Clutch Slip %							
Byte 3	TCU DL/DriveMode							
Byte 2	TCU Auto/Manual							
Byte 1	TCU Oil Temp							
Byte 0	TCU Gear							