MOTEC CAN ADDRESSES

▶ INTRODUCTION

This document describes the CAN addresses used by MoTeC products. It can be used to determine if a CAN based application involving 3rd party devices will produce a conflict on the CAN bus.

▶ PC CAN ADDRESS RANGES

Address Range	Devices	Notes
0x200 - 0x20F	ADL, ADL2, SDL, ADL3, SDL3, CDL3, C185, C125	Primary CAN (default response)
0x210 - 0x21F	ACL	
0x220 - 0x22F	M800, M880, M600, M400, M84	Primary CAN (default)
0x230 - 0x23F	M800, M880, M600, M400, M84	Secondary CAN (user selected)
0x240 - 0x24F	ADL, ADL2, SDL	Secondary CAN (user selected response)
0x270 - 0x27F	E888, E816	
0x280 - 0x28F	ADL, ADL2, SDL, ADL3, SDL3, CDL3, C185, C125	Primary CAN (default request)
0x290 - 0x2BF	ADL	
0x2C0 - 0x2CF	M800, M880, M600, M400, M84	Primary CAN (default)
0x300 - 0x30F	M800, M880, M600, M400, M84	Secondary CAN (user selected)
0x340 - 0x34F	ACL	
0x360 - 0x37F	All rebasable devices	Address range for rebasing
0x380 - 0x38F	ADL, ADL2, SDL	Secondary CAN (user selected request)
0x3B0 - 0x3BF	E888, E816	
0x3C0 - 0x3DF	SDC, SDC2, SDC3, MDC	
0x3E0 - 0x3FF	VIM, SVIM, SLM (all variants), STC (all variants), KTC (all variants), LTC (all variants), ADR, PDM (all variants)	
0x450 - 0x454	PLM	
0x60A - 0x60D	CAN Keypad	Keypad configuration
0x680 - 0x69F	MDC2	
0x7E4 - 0x7E5	CAN Keypad	Keypad configuration
0x1CF80000 - 0x1CF8FFFF	All rebasable devices	Discovery messages

Rebasable Devices

These devices include:

VIM, SVIM, SLM (all variants), STC (all variants), KTC (all variants), LTC (all variants), ADR, PDM (all variants), ADL2, SDL, ADL3, SDL3, CDL3, C185, C125

▶ DEVICE CAN ADDRESS RANGES

Address range	Devices	Notes
0x000 - 0x000	Most MoTeC devices	Remote request on power up
0x000 - 0x000	PDM	Used if CAN keypads are configured
0x020 - 0x021	DBW4	Default address
0x021 - 0x021	HD-VCS	Revision 1 hardware. Syncronisation Message from display/logger (clashes with DBW4)
0x022 - 0x022	HD-VCS	Revision 2 hardware. Syncronisation Message from display/logger
0x028 - 0x02B	SLM	
0x02C - 0x02F	SLM	Alternate address (special order)
0x040 - 0x048	RTC	Alternate address (with address link changed on connector)
0x060 - 0x061	M800, M880, M600, M400, M84	ECU to ECU communications recommended range, adjustable in ECU Manager
0x0E4 - 0x0E7	BR2	Default address
0x0E8 - 0x0EF	MDD, D153, D175	Default address
0x0E8 - 0x0EF	ADL, ADL2, SDL, ADL3, SDL3, CDL3	When using slave display functionality
0x0F0 - 0x0F3	E888, E816, DBW4	Default address
0x0F4 - 0x0F7	E888, E816, DBW4	Alternate address (with address links changed on PCB)
0x0F8 - 0x0FB	E888, E816, DBW4	Alternate address (with address links changed on PCB)
0x0FC - 0x0FF	E888, E816, DBW4	Alternate address (with address links changed on PCB)
0x118 - 0x11F	PDM15, PDM30, PDM16, PDM32	Recommended range for CAN inputs, adjustable in PDM Manager
0x140 - 0x147	RTC	Default address
0x148 - 0x157	CDI	
0x1E4 - 0x1E7	BR2	Alternate address (with address links changed on PCB)
0x1E8 - 0x1EF	MDD	Alternate address (with address links changed on PCB)
0x1F4 - 0x1F7	SDC, SDC2, SDC3, MDC, MDC2	
0x440 - 0x447	RTC	Alternate address (with address link changed on connector)
0x460 - 0x46F	PLM	Recommended Range, adjustable in PLM Setup
0x4E4 - 0x4E7	BR2	Alternate address (with address links changed on PCB)
0x500 - 0x505	PDM15, PDM30, PDM16, PDM32	Recommended range for standard CAN outputs, adjustable in PDM Manager
0x506 - 0x508	PDM15, PDM30, PDM16, PDM32	Recommended range for CAN Keypad 1, adjustable in PDM Manager
0x516 - 0x518	PDM15, PDM30, PDM16, PDM32	Recommended range for CAN Keypad 2, adjustable in PDM Manager
0x520 - 0x523	PDM15, PDM30, PDM16, PDM32	Recommended range for user CAN outputs, adjustable in PDM Manager
0x526 - 0x528	PDM15, PDM30, PDM16, PDM32	Recommended range for CAN Keypad 3, adjustable in PDM Manager
0x536 - 0x538	PDM15, PDM30, PDM16, PDM32	Recommended range for CAN Keypad 4, adjustable in PDM Manager
0x540 - 0x547	RTC	Alternate address (with address link changed on connector)
0x5E4 - 0x5E7	BR2	Alternate address (with address links changed on PCB)
0x5F0 - 0x5F0	M800, M880, M600, M400, M84	ECU to Dash communications recommended range, adjustable in ECU Manager and Dash Manager
0x70A - 0x70D	PDM15, PDM30, PDM16, PDM32	Recommended range for CAN Keypads (for keypad Node Ids A to D), adjustable in PDM Manager by changing Node Id