

Commands must end with <CR><LF>.

Answers sent by the module end with <CR><LF>.

n module address (address 0 contacts all modules within the network!).

M state = Manual

A state = Auto

Function	Mode	PC->EVCC	EVCC->PC	Parameter xxxx
Reset device	AM	!n 00	>n 02 Vx.y	Vx.y Firmware Version
Load factory settings and reset device	AM	!n 01	>n 02 Vx.y	Vx.y Firmware Version
Get version of firmware	AM	!n 02	>n 02 Vx.y	Vx.y Firmware Version
Set address of device	AM	!n 03 xxxx	>n 03	1...9999
Get address of device	AM	!n 04	>n 04 xxxx	1...9999
Get state machine state	AM	!n 05	>n 05 x	0 - A1 1 - A2 2 - B1 3 - B2 4 - C1 5 - C2 6 - D1 7 - D2 8 - E 9 - F
Get module mode	AM	!n 06	>n 06 x	0 - Auto 1 - Module
Switch mode to MANUAL (Stop charging)	A	!n 07	>n 07	
Switch mode to AUTO (Stop charging)	M	!n 08	>n 08	
Get status of output	AM	!n 09	>n 09 xx	0 - all outputs are off 1 - LED1 on 2 - LED2 on 4 - K1 on 8 - K2 on 16 - K3 on ...bits
Get status of input	AM	!n 10	>n 10 x	0 - non active 1 - S1 active 2 - S2 active 3 - S1 & S2 active ...bits
Get ADC-value of pos. Ucp	AM	!n 11	>n 11 xxxx	0000...4095 U = 0.0xx x xxxx [V]

Function	Mode	PC->EVCC	EVCC->PC	Parameter xxxx
Get ADC-value of neg. Ucp	AM	!n 12	>n 12 xxxx	0000...4095 U = 0.0xx x xxxx [V]
Get Ucp pos. voltage	AM	!n 13	>n 13 xxxx	0.00...12.00 [V]
Get Ucp neg. voltage	AM	!n 14	>n 14 xxxx	0.00...-12.00 [V]
Get ADC-value of Ucs	AM	!n 15	>n 15 xxxx	0000...4095 U = 0.0xx x xxxx [V]
Get Ic - PWM duty cycle	AM	!n 16	> 16 xxx	80...970 - PWM value 8%...97%
Set Ic max	M	!n 17 xxx	>n 17	0 - 6A 1 - 10A 2 - 13A 3 - 16A 4 - 20A 5 - 32A 6 - 40A 7 - 50A 8 - 60A 9 - 70A 10 - 80A 11 - Idefault 80...970 - PWM value 8%...97%
Set Idefault	M	!n 18 xxx	>n 18	0 - 6A 1 - 10A 2 - 13A 3 - 16A 4 - 20A 5 - 32A 6 - 40A 7 - 50A 8 - 60A 9 - 70A 10 - 80A 80...970 - PWM value 8%...97%
Get Idefault	AM	!n 19	>n 19 xxx	80...970 - PWM value 8%...97%
Switch PWM on	M	!n 20	>n 20	
Switch PWM off	M	!n 21	>n 21	
Get PWM state	AM	!n 22	>n 22 x	0 - PWM OFF 1 - PWM ON
Start charging	M	!n 23	>n 23	
Stop charging	M	!n 24	>n 24	