



MCU/DCM DISPLAY CODES

MCU display

Error Codes Displayed	Explanation	Action
bbb flashing	Unit is currently being bootloaded or failed last bootloading.	Upgrade the firmware of the MCU.
ECF	No configuration file or unsupported file is present Normal condition before first configuration.	Download a configuration to the MCU
ES1	Shown on GSM equipped MCU when no SIM Card has been detected.	Make sure the SIM card is properly inserted.
ES2	Shown On MCU equipped with GSM module when the inserted SIM Card is PIN protected.	Disable PIN Code protection on the SIM card by phone and disabling the PIN code.
EoA	Indicates MCU and DCM have different sets of wireless enOcean switches stored. Can occur when a unit is replaced in a system. User interaction is required, see manual for wireless configuration.	Choose which set of switches to use on the MCU touch panel. Copy from MCU
E98	Internal fault protection and auto recovery has been engaged.	Cut power to MCU, restore power. Message should clear. Upgrade to latest firmware. If failure still appears please contact Empirbus Support.
E99	Diagnostics code	Contact Empirbus Support.
eBu	Diagnostics code	Contact Empirbus Support.
E11	Diagnostics code	Contact Empirbus Support.
E01	Diagnostics code	Contact Empirbus Support.
E10	Diagnostics code	Contact Empirbus Support.
E07	Diagnostics code	Contact Empirbus Support.
EPB	Diagnostics code	Contact Empirbus Support.

Normal indications	Explanation	Action
uXX	Shown on powerup. XX denotes software version	
uBy	Shown on powerup. Y denotes bootvector version	
Axx	xx notify signal strength of GSM.	Indicates the current signal reception level of the GSM
Circling indication	Circling right = Sending on GSM Circling left = Receiving on GSM	

Various indications in different menus	Explanation	Action
Pxx	Programming menu.	
etH	Ethernet menu	
dEL	Delete.	
deC	Delete complete.	

Inside P10 Menu	Explanation	Action
CF1/CF2	Copy function 1 / 2. Transfer EnOcean settings from or to master unit / dcm and overwrite the other unit(s).	See FAQ for more information.
COP	Copying in progress	
CCD	Copy Completed (successfully)	

DCM display

NOTE! Information below is only valid if display override is not engaged. In that case configuration can choose to show “anything” on the display.

Error Codes Displayed	Explanation	Action
ELH	Limp Home Mode engaged. Unit has no connection to systems master unit	Check that NMEA is properly terminated, check NMEA power supply, check master unit is powered. Check that NMEA are cables properly connected to unit.
H00	Warning too high temperature.	Check surrounding temperature. Do not exceed specified operating temperature limits.
H01	Too high temperature. Channel outputs are disabled.	Check surrounding temperature. Do not exceed specified operating temperature limits.
Base Address flashes and all channel indicators are running red from left to right.	Unit is currently being bootloaded or failed last bootloading.	Upgrade the firmware of the DCM.

Normal indication	Explanation	Action
uXX	Shown on powerup. XX denotes software version. On powerup, if production –XXXX flags are set, uXX is shown, then the first 3 digits are shown, then uXX is shown again.	On power up, uXX is shown
CUA	Controller Unit Active	DCM is the systems master unit.
C00	Configuration transfer in progress	New configuration is being downloaded
C01	Configuration transfer completed	New configuration download has completed.

Various indications in different menus	Explanation	Action
BAS	Base Address	
FUS	Fuse	
E01	No Outputs	
D01	Root	
D03	Change Base Address	
Pxx	Programming menu	
OAS	Over the Air menu	
LEA	Learn	
DEL	Delete	
dCd	Delete completed	
ACC	Accepted	
Fu1	Function 1 EnOcean	
Fu2	Function 2 EnOcean	
CA1	Calibration	
CA2	Calibration	
A00	Init state	
E00	Error State	
E10	No Config	

Support

A lot of useful information can be found on our website. In case answers can't be found there, feel free to contact us anytime by phone or email.

Website

<https://www.EmpirBus.com/#faq>

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