CanCom

83-80310

DJ803 V 6.0

JÖRGENSEN

Specifikation	Specification		
Matningsspänning	Power supply	9-36	VDC
Drivspänning	Operating voltage	2 rechargable AA batteries	
Strömförbrukning	Power consumption	< 150	mA
CAN protokoll	CAN protocol	2.0B	150Kbit
CAN drivkrets	CAN driver	PCA82C251	Philips
CPU	CPU	MC9S08DZ60	Freescale
Kapsling	Housing	Black	Plastic
IP-klass	IP-class	IP41	IP65 (optional)
Vikt	Mass	0,3	Kg
Omgivningstemp.	Operating temp.	-40 - +70	Celcius
Mått	Dimensions	188x73x42	mm

Radio	Radio		
Räckvidd	Range	100-300	meter
Radiotyp	Radio type	Hi power (FM transmitter)	
Uteffekt radio	Radio power output	25	mW
Radiokod	Radio code	Programmable	
Frekvens	Frequency	433,92	MHz

Gränssnitt	Interface		
1 x CAN-buss	1 x CAN-bus	2.0 B	CanCom
10 x knappar	10 x buttons	digital	
1 x joystick*	1 x joystick	XY	
Antenn	Antenna	inbyggd	built-in
LED	LED	2	green+red
Stoppfunktion	Stop function		

* optional 2 x potentiometers

Starting the radio transmitter:

The radio transmitter has a boot block, to check that the joystick is not actuated in any direction or any button is pressed. This is indicated by that red and green LED is flashing. When starting the transmitter the joystick has to be centred, ie it must have the centre value 127 with a tolerance of +/- 3 bits. If the radio transmitter do not start, you can try to manually centre the joystick and try again.

NEW: From version 003: The radio transmitter does not start until button 1 and 2 is pressed simultaneously and then released.

Radio code, article no and S/N are placed under the batteries.

LED indications and warnings:

Red LED:

- 0,1s on, 1,9s off: Batteries need charging
- 0,1s on, 0,1s off: Battery level critical low!
- Steady light: Charging

Green LED:

- 0,9s on, 0,1s off: CAN is active, radio off
- 0,1s on, 1,9s off:Radio is active, CAN off

Both red and green LED simultaneously:

- 0,5s on, 0,5s off:Analog input values out of limits

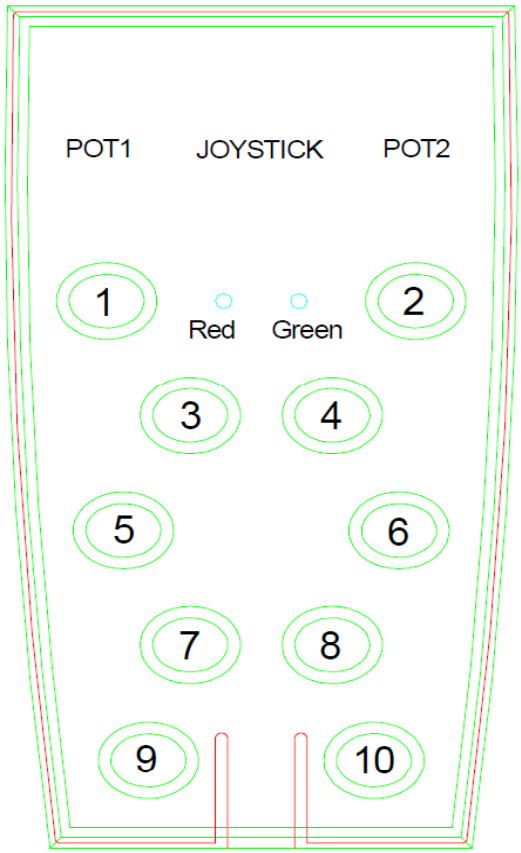
Button numbering in rubber keyboard.

Radio / CAN ID 20, I/O-ports:

1. Button 1
2. Button 2
3. Button 3
4. Button 4
5. Button 5
6. Button 6
7. Button 7
8. Button 8

Radio ID 21, I/O-ports:

1. Button 9
2. Button 10
3. Joystick X value
4. Joystick Y value
5. Pot 1 value (0 if not used)
6. Pot 2 value (0 if not used)
7. Battery voltage
8. Spare



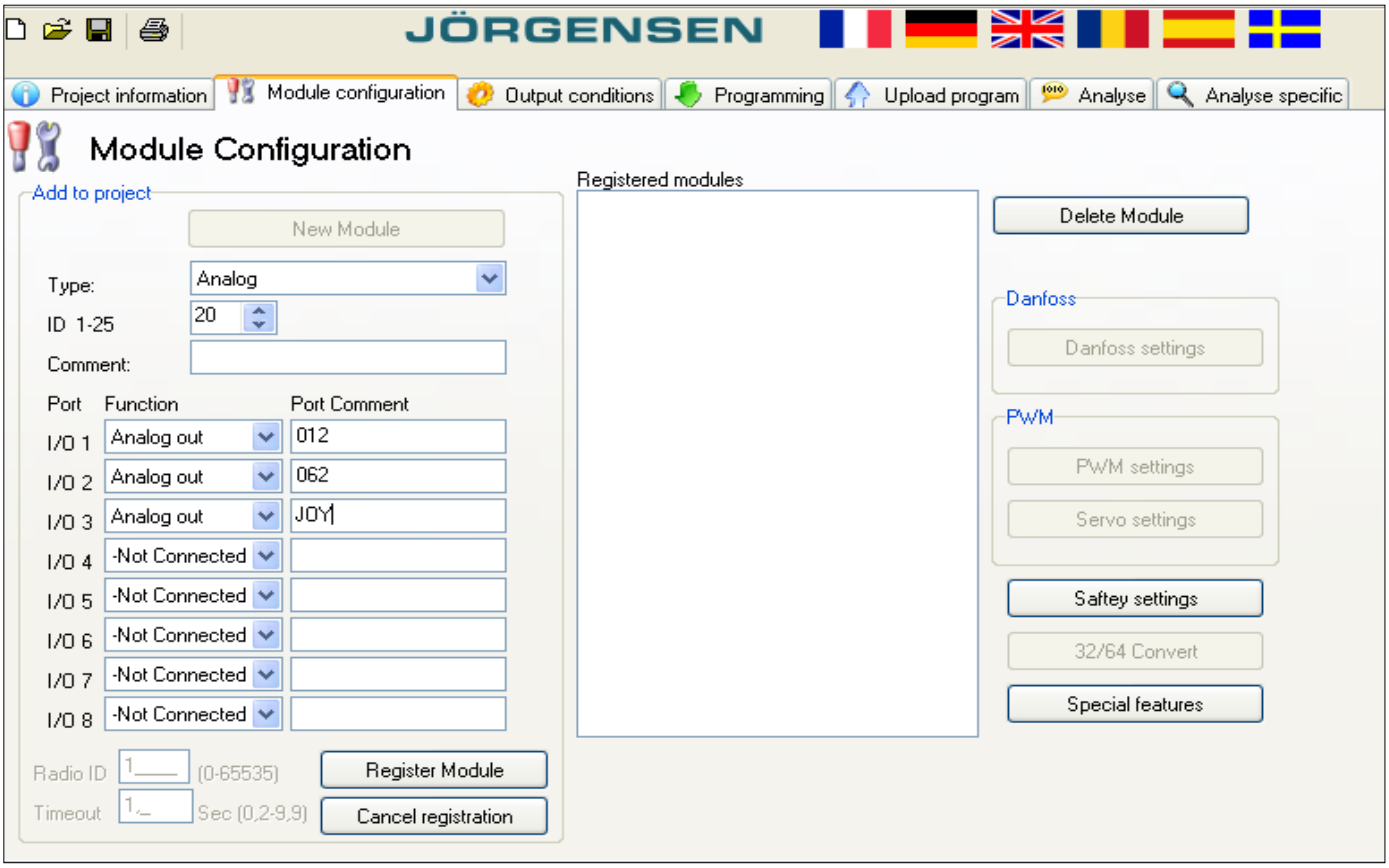
Programming - Radio code and type of transmitter

The radio code is programmed through CanPro v4.28 or later, to the flash memory. The procedure is as follows:

· Create an analogue module with ID 20
· Set port1 until port3 as analogue out
· In the port comment the radio code shoud be written.
For example if code L062 is to be programmed, you write ”012” (L = letter no 12) on the first row and 062 on the second row.

JOY, POT or NON
· IMPORTANT! The third row is used to configure the software for the right hardware; joystick, pots or not either joystick or prots. If you want to have a joystick, you write JOY and if you want to have pots, you write POT. If nothing is written on row 3 in the module configuration in CanPro, it will be NON as default.
If you want to have joystick you MUST write JOY now, otherwise the software will not work.

Register the module as explained above and program the transmitter.



Accessories for the radio transmitter

As accessories for the radio transmitter there is a bracket and cabling.

Bracket

The bracket is made of plastic.
Art no: 83-80350

Cabling

Charging cable
2 meter charging cable with cigarette plug.
Art no: 83-23135

Data/charging cable
This cable is used to communicate through the CAN-bus.
Available in two different lengths:
12 meter - Art no: 83-23112
10 meter - Art no: 83-23111