

INSTRUCTION MANUAL

DAAB RADIO DB403 AND DBR1-M4

1st Edition



FAAC Nordic AB

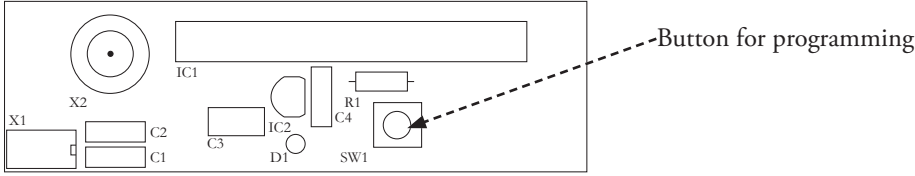
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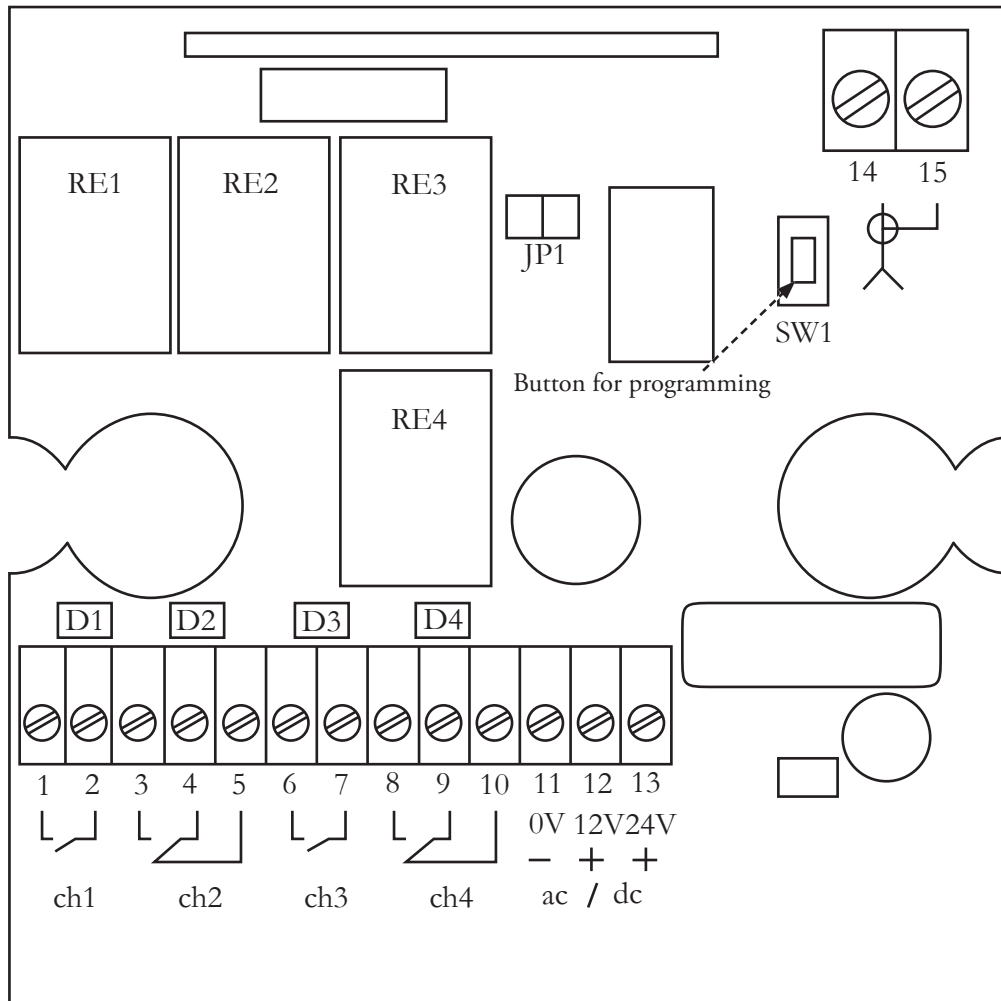
Description of the receivers

The DB403 and the DBR1-M4 have buttons for programming hand transmitters. The same button is used to put the receiver in programming mode and to change which of the receiver's 4 outputs are to be programmed. The illustration below shows where the button is found on both receivers.

- DB403

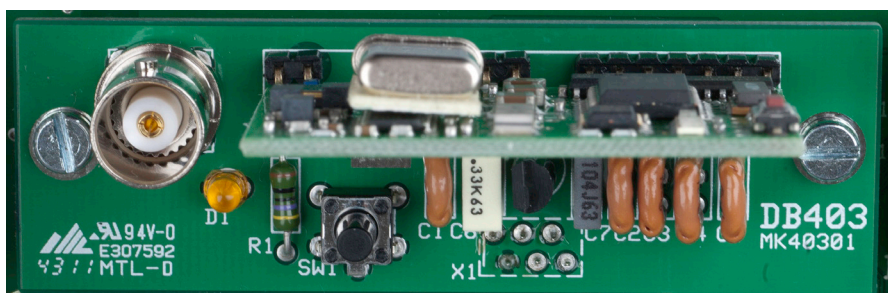


- DBR1-M4



Installation

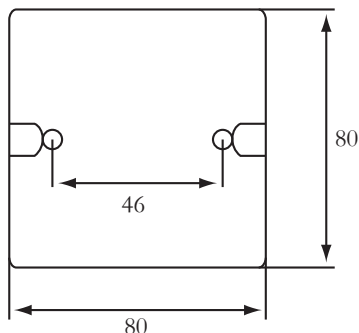
1. Cut the power to the EP104.
2. Attach the DB403 card to the spacers on the EP104 using two M3x5 screws.
3. Restore the power to the EP104.



- 4-channel receiver DBR1-M4

The receiver is protection class IP65. It is important to correctly position the receiver.

- Place the receiver with the screw fittings facing down.
- If possible try to place the receiver somewhere protected from the elements.
- Do not install the receiver close to cables carrying 230/400VAC. The distance to such cables should not be less than 10 cm to avoid disruptions and impaired range as a result.
- Avoid installing the receiver where it is exposed to large temperature fluctuations.



- Fitting the antenna

The DB403 is normally supplied with an internal antenna that is fitted directly to the BNC connector. In cases where the range is not satisfactory an external antenna can be fitted instead.

The DBR1-M4 is supplied with an external antenna that is installed in a suitable location. It is important to correctly position the antenna. The receiver has no BNC connector for connecting an antenna. Instead the BNC connector on the antenna cable is cut off and the cable spliced and connected to the terminal.

Note the following when fitting the antenna.

- Install the antenna high above ground.
- The antenna shall not be near other metal objects such as, for example, joists, electrical cables or other antennas.

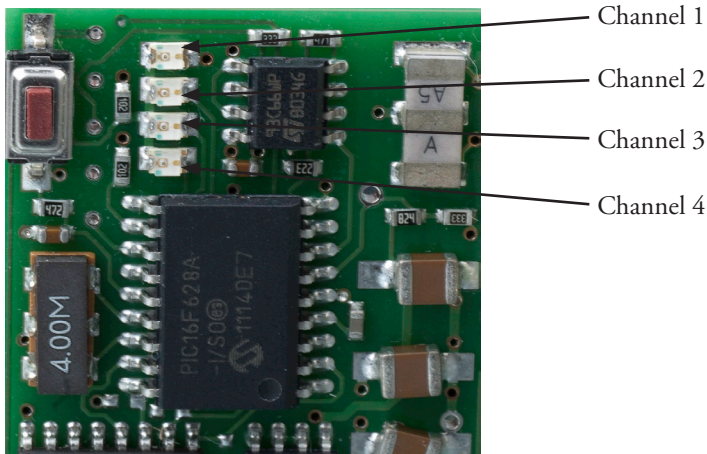
Commissioning/Coding

To prevent all hand transmitters from controlling all receivers each hand transmitter and receiver are coded together. Each transmitter has a unique code that cannot be changed. The receiver is programmed with the hand transmitter's code when you press the auto-programming button (SW1) on the receiver. Each configuration is confirmed by the LEDs on the receiver. Each receiver can handle 85 different transmitter buttons.

• 4-channel internal receiver DB403

Code the transmitter and receiver together.

1. Press and hold the auto-programming button (SW1) until the yellow LED (D1) lights.
2. Press the auto-programming button (SW1) until the right LED lights depending on which channel is to be used. (See explanation below).
3. Now transmit using the appropriate transmitter button while the LED is lit. As long as the LED is lit the receiver can be programmed with other transmitters.



-The receiver has now registered the hand transmitter's code and the LED on the receiver flashes. When the LED turns off, repeat the above if more transmitters or buttons are to be able to control the receiver. Check that the output is activated/the LED lights when the transmitter button is pressed.

• Delete individual transmitter buttons

1. Press and hold the auto-programming button until the LED lights.
2. Now transmit with the transmitter button to be deleted. Repeat this for all hand transmitters to be deleted.

• 4-channel receiver DBR1-M4

Code the hand transmitter and receiver together.

1. Press and hold the auto-programming button (SW1) until the red LED (D1) lights. See illustration on page 2.
2. Press the button again to choose which output is to be programmed (the associated LED lights above the chosen output).
3. Now transmit using the appropriate transmitter button while the LED is lit. As long as the LED is lit the receiver can be programmed with other transmitters.

-The receiver has now registered the hand transmitter's code and the LED on the receiver flashes. When the LED turns off, repeat the above if more transmitters or buttons are to be able to control the receiver. Check that the output is activated/the LED lights when the transmitter button is pressed.

-NB: A particular transmitter button can only be programmed for one relay on a particular receiver. In cases where the same button is to control two different relays two separate receivers must be used.

Delete individual transmitter buttons

1. Press and hold the auto-programming button until the LED lights.
2. Press the button again to choose the output for which the hand transmitter is programmed and which is to be deleted (the associated LED lights above the chosen output).
3. Now transmit with the transmitter button to be deleted. Repeat this for all transmitter buttons to be deleted.

-The receiver confirms by flashing LEDs D3 and D4 twice.

- Common to both receivers

Delete all programmed transmitters

All programmed transmitters are deleted from memory.

1. Press and hold the auto-programming button until the LED lights. See illustration on page 2.
2. (DB403) Release the button and press it again until LED D1 flashes 3 times.
3. (DBR1-M4-1) Release the button and press it again until LED D1 flashes 3 times.
4. The memory is now completely empty.

- Memory full

If the receiver's memory is full, that is, if 85 hand transmitters have already been programmed, LEDs D3 and D4 flash 3 times and programming is stopped. One or more transmitters must be deleted before others can be programmed.

Troubleshooting

Fault indication	Possible cause, tip
The receiver does not work when the transmitter button is pressed.	The receiver is connected incorrectly. Check the receiver's connections. Wrong supply voltage to receiver. Check the supply voltage to the right terminal. If several hand transmitters are coded for the receiver check whether another transmitter works.
The transmitter's red LED does not light when the transmitter button is pressed.	The battery in the hand transmitter is dead. Replace the battery. The hand transmitter is faulty, contact FAAC Nordic AB.
The range is too short.	Bad battery, replace battery. Antenna cable damaged or fitted incorrectly. Check the antenna connection.
The hand transmitter's red LED flashes.	Bad battery, replace battery.

If the radio system does not function satisfying?

Contact FAAC Nordic AB for support.



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