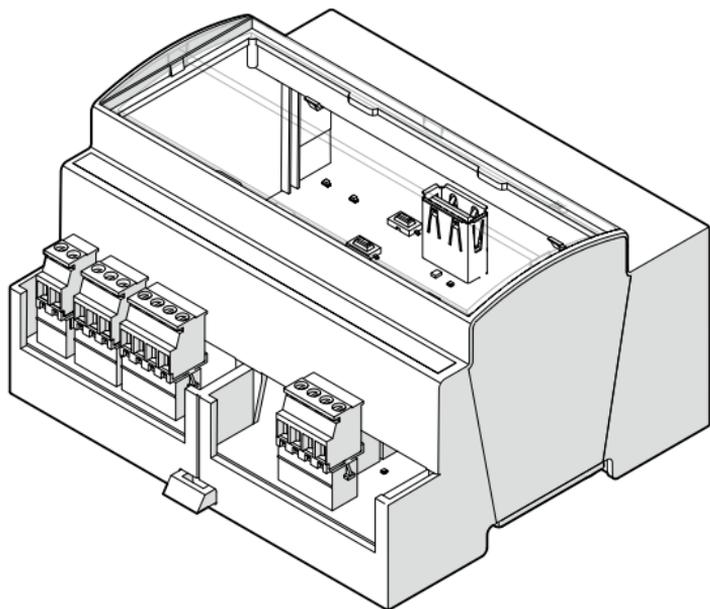


XMULTICOM



IT

EN

FR

DE

ES

NL

SV

PL

FAAC

© Copyright FAAC S.p.A. dal 2021. Tutti i diritti riservati.

Nessuna parte di questo manuale può essere riprodotta, archiviata, distribuita a terzi né altrimenti copiata, in qualsiasi formato e con qualsiasi mezzo, sia esso elettronico, meccanico o tramite fotocopia, senza il preventivo consenso scritto di FAAC S.p.A.

Tutti i nomi e i marchi citati sono di proprietà dei rispettivi fabbricanti.

I clienti possono effettuare copie per esclusivo utilizzo proprio.

Questo manuale è stato pubblicato nel 2021.

© Copyright FAAC S.p.A. depuis 2021. Tous droits réservés.

Aucune partie de ce manuel ne peut être reproduite, archivée ou distribuée à des tiers ni copiée, sous tout format et avec tout moyen, qu'il soit électronique, mécanique ou par photocopie, sans le consentement écrit préalable de FAAC S.p.A.

Tous les noms et les marques cités sont la propriété de leurs fabricants respectifs.

Les clients peuvent faire des copies pour leur usage exclusif.

Ce manuel a été publié en 2021.

© Copyright FAAC S.p.A. rok 2021. Wszelkie prawa zastrzeżone.

Zabronione jest kopiowanie, archiwizowanie, dystrybuowanie lub przekazywanie na jakimkolwiek nośniku elektronicznym lub mechanicznym, w tym kserokopia, jakiegokolwiek części niniejszego podręcznika bez pisemnej zgody FAAC S.p.A.

Wszystkie wymienione nazwy i marki są własnością ich producentów.

Klienci mogą wykonywać kopie wyłącznie na własny użytek.

Niniejszy podręcznik został opublikowany w roku 2021.

© Copyright FAAC S.p.A. del 2021. Todos los derechos están reservados.

No puede reproducirse, archivar, distribuirse a terceros ni copiarse de ningún modo, ninguna parte de este manual, con medios mecánicos o mediante fotocopia, sin el permiso previo por escrito de FAAC S.p.A.

Todos los nombres y las marcas citadas son de propiedad de los respectivos fabricantes.

Los clientes pueden realizar copias para su uso exclusivo.

Este manual se ha publicado en 2021.

© Copyright FAAC S.p.A. from 2021. All rights reserved.

No part of this manual may be reproduced, archived, distributed to third parties nor copied in any other way, in any format and with any means, be it electronic, mechanical or by photocopying, without prior written authorisation by FAAC S.p.A.

All names and trademarks mentioned are the property of their respective manufacturers.

Customers may make copies exclusively for their own use.

This manual was published in 2021.

© Copyright FAAC S.p.A. ab dem 2021. Alle Rechte vorbehalten.

Kein Teil dieses Handbuchs darf reproduziert, gespeichert, an Dritte weitergegeben oder sonst auf eine beliebige Art in einem beliebigen Format und mit beliebigen Mitteln kopiert werden, weder mit elektronischen, noch mechanischen oder durch Fotokopieren, ohne die Genehmigung von FAAC S.p.A. Alle erwähnten Namen und Marken sind Eigentum der jeweiligen Hersteller.

Die Kunden dürfen nur für den Eigengebrauch Kopien anfertigen.

Dieses Handbuch wurde 2021 veröffentlicht.

© Copyright FAAC S.p.A. van 2021. Alle rechten voorbehouden.

Niets uit deze handleiding mag gereproduceerd, gearchiveerd, aan derden openbaar gemaakt of op andere wijze gekopieerd worden, in om het even welke vorm en met geen enkel middel, noch elektronisch, mechanisch of via fotokopieren, zonder schriftelijke toestemming vooraf van FAAC S.p.A.

Alle vermelde namen en merken zijn eigendom van de respectievelijke fabrikanten.

De klanten mogen kopieën maken die enkel voor eigen gebruik bestemd zijn.

Dez handleiding werd in 2021 gepubliceerd.

© Copyright FAAC S.p.A. från 2021. Alla rättigheter förbehålls.

Ingen del av denna manual får kopieras, arkiveras, spridas till tredje part eller på annat sätt kopieras i något format eller med några medel, vare sig elektroniskt, mekaniskt eller via fotokopia, utan föregående skriftligt godkännande från FAAC S.p.A. Samtliga nämnda namn och varumärken tillhör respektive tillverkare.

Kunder får göra kopior endast för eget bruk.

Denna bruksanvisning publicerades 2021.

EU DECLARATION OF CONFORMITY

The manufacturer: FAAC S.p.A. Soc. Unipersonale

Address: Via Calari, 10 - 40069 Zola Predosa BOLOGNA - ITALY

hereby declares under its own exclusive liability that the following product:

Description: Connectivity management board

Model: XMULTICOM

complies with the following applicable EU legislations:

2014/30/EU

2011/65/EU

Furthermore, the following harmonised standards have been applied:

EN61000-6-2:2005

EN61000-6-3:2007 + A1:2011

Bologna, 01-02-2021

CEO
A. Marcellan



1. INTRODUCTION TO THE INSTRUCTION MANUAL

This manual provides the correct procedures and requirements for installing the XMULTICOM and maintaining it in a safe condition.

When drafting the manual, the results of the risk assessment conducted by FAAC S.p.A. on the entire product life cycle have been taken into account in order to implement effective risk reduction measures.

The following stages of the life cycle of the product have been considered:

- Delivery/handling
- Assembly and installation
- Set-up and putting into service
- Operation
- Maintenance/troubleshooting
- Disposal at the end of the product's life cycle

Risks arising from installation and using the product have been taken into consideration; these include:

- Risks for the installation/maintenance technician (technical personnel)
- Risks for the user of the automation
- Risks to product integrity (damage)

In Europe, the automation of a gate, barrier or door falls under the Machinery Directive 2006/42/EC and the corresponding harmonised standards. The party rendering a new or existing gate, barrier or door automatic becomes the Manufacturer of the Machine. They are therefore required by law, among other things, to carry out a risk assessment of the machine (automatic gate in its entirety) and adopt protective measures to fulfil the essential safety requirements specified in Annex I of the Machinery Directive.

FAAC S.p.A. recommends that you always comply with standard EN 12453 (gates and barriers) or EN 16005:2012 (automatic doors) and in particular, that you adopt the safety criteria and devices indicated, without exception, including the hold-to-run function.

This manual also contains general information and guidelines, which are purely illustrative and not exhaustive, in order to facilitate the activities carried out by the Manufacturer of the Machine in all respects with regard to carrying out the risk analysis and drafting the instructions for use and maintenance of the machine. It should be clearly understood that FAAC S.p.A. accepts no liability for the reliability and/or completeness of the above instructions. As such, the manufacturer of the machine must carry out all the activities required by the Machinery Directive and the corresponding harmonised standards on the basis of the actual condition of the locations and structures where the product XMULTICOM will be installed before the machine is put into service. These activities include the analysis of all the risks associated with the machine and subsequent implementation of all safety measures intended to fulfil the essential safety requirements.

This manual contains references to European standards. The automation must be installed in compliance with any laws, standards and regulations applicable in the country where the installation takes place.



Unless otherwise specified, the measurements provided in the instructions are in mm.

These instructions are valid for the XMULTICOM associated with XMB/XMBX/XMBX4 or XWBL with firmware 3.5 or higher

INTENDED USE

The XMULTICOM device is designed to:

- control "generic" boards (FAAC boards without a Simply Connect connector or third party boards). An additional XMB/XMBX/XMBX4 module has to be purchased (for GSM / Wi-Fi communication) or XWBL (for LAN / Wi-Fi communication) to install on XMULTICOM.

- control, monitor and program a FAAC board fitted with a Simply Connect connector via RS-485 and the Simply Connect PRO app, which is restricted to installers. An XRS485 module has to be purchased to be installed in the specific Simply Connect connector on the board.

The Simply Connect app is for end users and allows them to control the automation remotely.

LIMITATIONS OF USE

Install indoors. If installed outdoors, house in an enclosure that has a minimum IPX4 protection rating. The wired RS485 connection is only available with FAAC boards fitted with a Simply Connect connector.



The firmware, which can be downloaded from the <https://pro.faacsimplyconnect.com> website, should be updated to the latest version during installation.

The Simply Connect PRO app is available for Android, iOS or a web interface.

A Bluetooth connection with XMB/XMBX/XMBX4 or XWBL is required in order to use some functions of the Simply Connect PRO app.

The Simply Connect PRO app should only be used to set the safety parameters and to carry out the setup procedure if the automation is visible.

UNAUTHORISED USE

Uses other than the intended use are prohibited. Do not allow the control devices to be used by anyone who is not specifically authorised and trained to do so. Do not allow the control devices to be used by children or persons with mental and physical deficiencies unless they are supervised by an adult who is responsible for their safety.

TECHNICAL DATA

Power supply voltage	24 V \equiv / ~
Max power consumption	1 A at 24 V \equiv , 800 mA at 24 V ~
Inputs	2
Relay outputs	2
Maximum terminal voltage	125 V ~ / 60 V \equiv
Relay contact rating	0.5 A at 125 V ~ / 1 A at 60 V \equiv
Mounting	screws / DIN rail
Ambient operating temperature	-20°C to 55°C

MEANING OF THE SYMBOLS USED

 1 Symbols: notes and warnings on the instructions



WARNING ELECTRIC SHOCK HAZARD - The operation or step described must be carried out following the instructions provided and according to the safety regulations.



WARNING, personal injury hazard or risk of damage to components - The operation or step described must be carried out following the instructions provided and according to the safety regulations.



WARNING - Details and specifications which must be respected in order to ensure that the system operates correctly.



RECYCLING and DISPOSAL - The materials used in manufacturing, the batteries and any electronic components must not be sent to landfill. They must be taken to authorised recycling and disposal centres.



FIGURE E.g.  1-3 see Figure 1 - item 3.



LED off



LED on

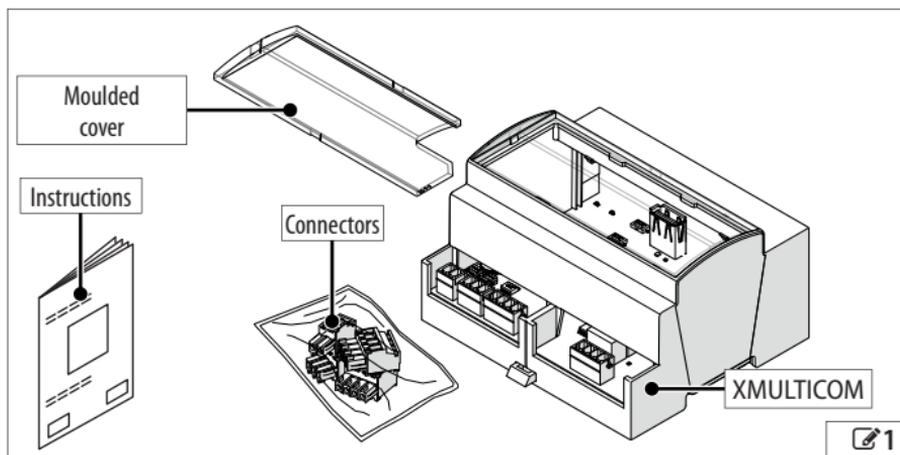


Long flash (0.5 s)



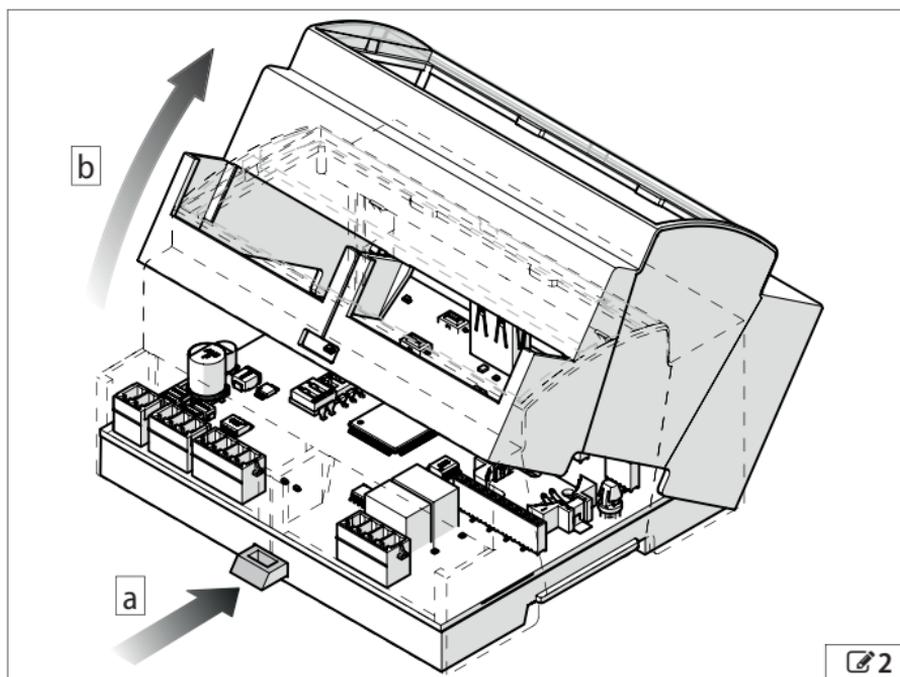
Short flash (0.1 s)

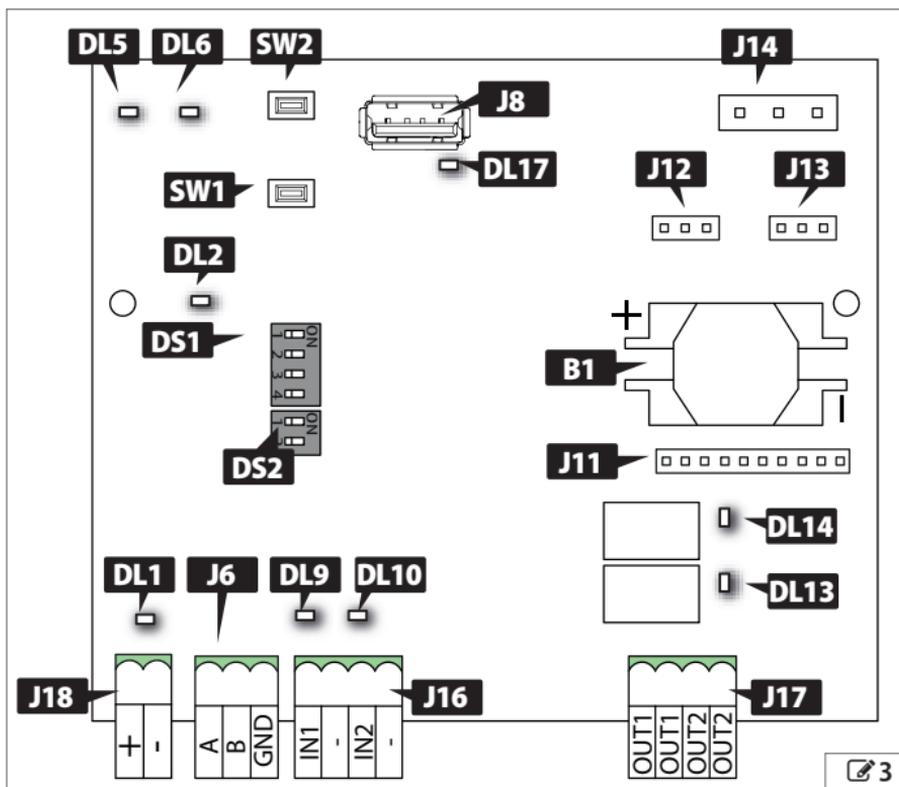
2. PACKAGE CONTENTS



3. BOARD LAYOUT

The cover of the enclosure has to be removed in order to access the board. Press the lug  2-a and lift the cover  2-b.





3

2 COMPONENTS

Component	Function
J6	Serial RS485
J8	USB -A connector
J11, J12, J13	Simply Connect connector
J14	XF radio receiver connector
J16	Inputs
J17	Relay outputs
J18	Power supply 24V $\overline{\overline{=}}$ /~
DS1	Not used
DS2	Dip switch for setting the operating mode
B1	Timer battery holder

Component	Function
SW1	Reset button
SW2	Not used

LED	Function
DL1	Power on
DL2	5 V on
DL5	Multifunction LED 1
DL6	Multifunction LED 2
DL9	Input 1 status
DL10	Input 2 status
DL13	Output 1 status
DL14	Output 2 status
DL17	USB activity indicator

4. INSTALLATION

4.1 CONNECTIONS



CARRY OUT THE WORK WITH THE POWER SUPPLY DISCONNECTED. Only turn on the power once installation has been completed.

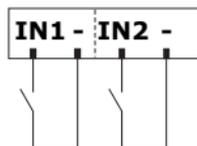


TERMINAL BOARD J12 - SERIAL RS485

Connect signals A, B, GND to their respective terminals on module XRS485 (if present).



The maximum total length of the cables is 50 m.



TERMINAL BOARD J16 - INPUTS

Two inputs are available for monitoring the status of a generic board. Connect a volt free contact between common (-) and IN1 or IN2.



If a volt free contact is not available on the generic board, use an external relay (Example system).

The inputs can be configured via the Simply Connect PRO app. It is possible to configure the type of contact (NO or NC) and the relative function (e.g. Alarm signal in progress, error, automation open, closed).



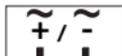
TERMINAL BOARD J17 - OUTPUTS



Connect a load lower than the maximum value indicated in the Technical Data.

Two volt free contact outputs are available that can be used to control a generic board.

The outputs can be configured via the Simply Connect PRO app. It is possible to configure the type of contact (NO or NC) and the relative function (e.g. Open, Partial open, Close, Stop etc.).



TERMINAL BOARD J1 - POWER SUPPLY

Connect a 24V \approx / \sim , 1 A power supply.



The power supply must be fitted with a fuse with a maximum rating of 5A or equivalent current limitation.

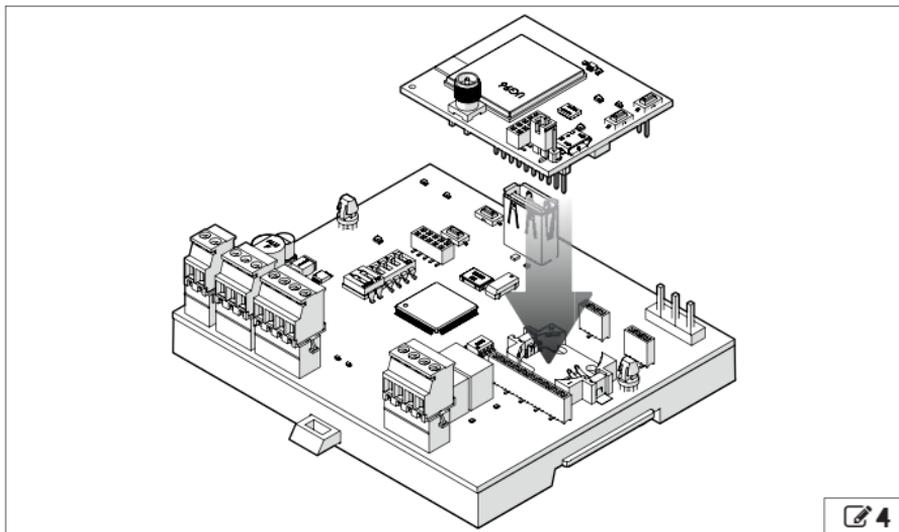
4.2 SETTING THE OPERATING MODE

The operating mode can be selected for boards fitted with a Simply Connect connector connected via an RS485 serial communication port or a generic board by setting DS2 as per the following table.

Setting	Operation	Notes
	RS485 only	On the FAAC board, set parameter $\text{I} = \text{I}$
	1 generic board (2 IN and 2 OUT)	XMULTICOM uses I1, I2 and OUT1, OUT2 to control the generic board

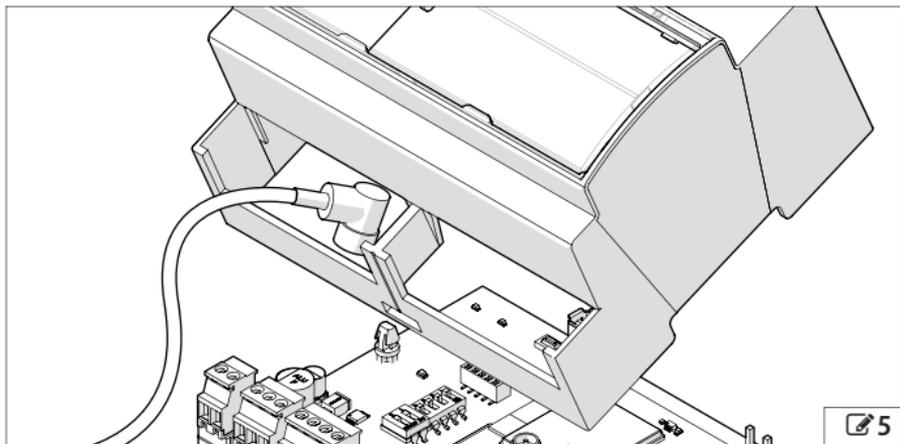
4.3 XWBL / XMB/XMBX/XMBX4 INSTALLATION

Install a Simply Connect XWBL or XMB/XMBX/XMBX4 device on connectors J11, J12, J13  4

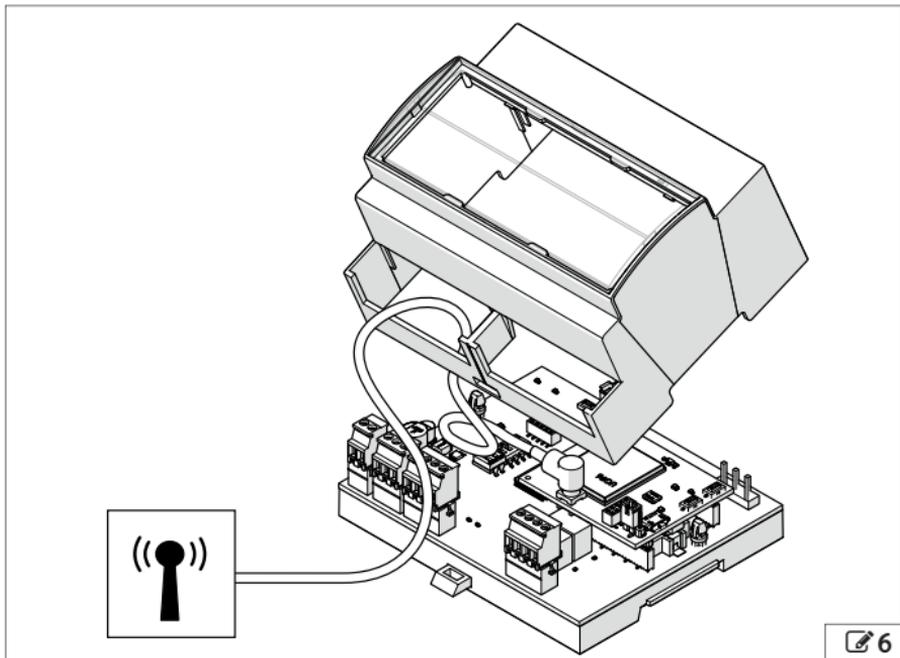


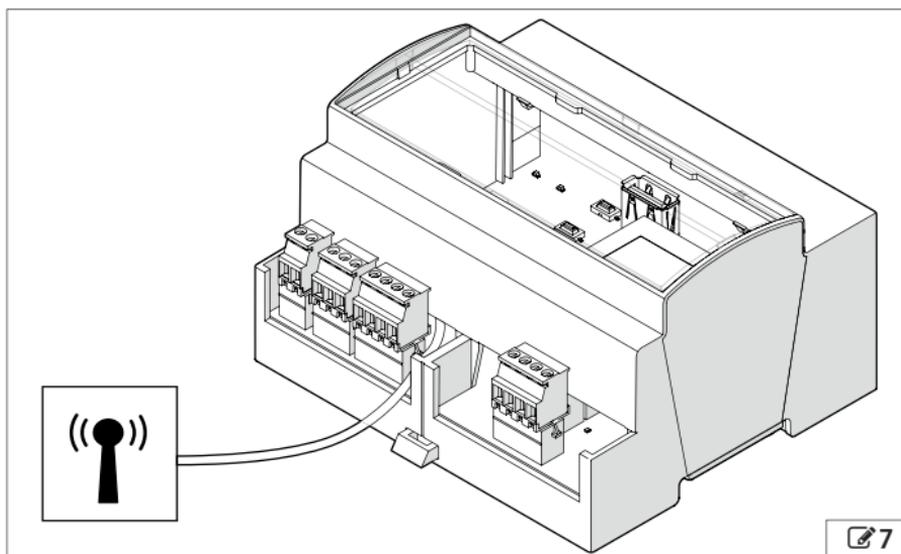
4.4 INSTALL AN EXTERNAL ANTENNA (ONLY FOR XMB/XMBX/XMBX4)

Insert the cable into the front opening in the enclosure  5 and connect the connector on the board XMB/XMBX/XMBX4 (refer to the board instructions).



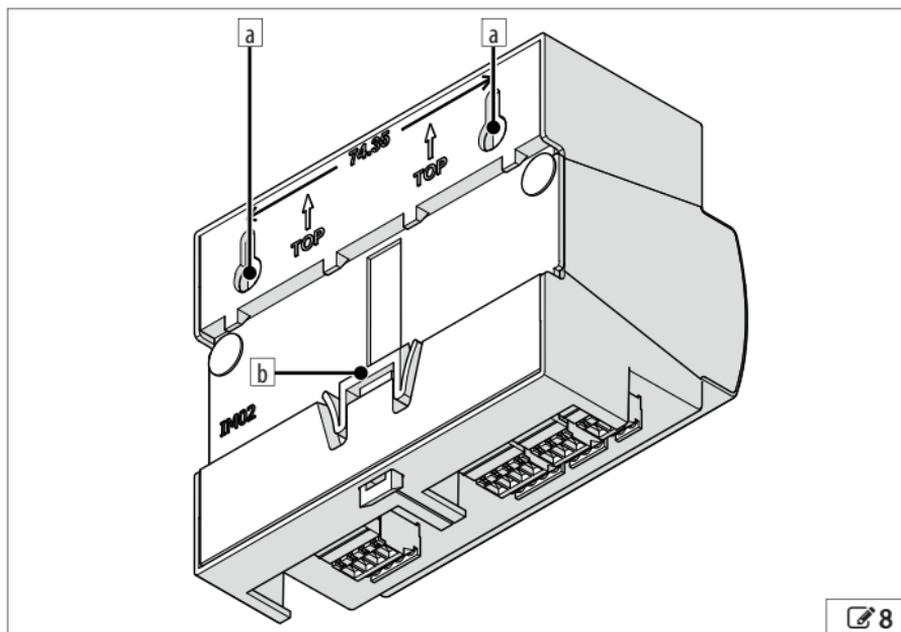
Install the cable as shown in  6 then close the enclosure  7.
Place the antenna as far away as possible to prevent interference.





4.5 MOUNTING

Install according to the "TOP" marking and fasten the XMULTICOM with screws suitable for the support material (slots  8-a), or snap fit on DIN rail ( 8-b).



4.6 LED

LED DL1 (Blue) - 24 V Power supply, LED DL2 - 5 V Power supply

- Power on
 - No power
-

LED DL5 (Green) - USB Bootloader active

- USB Bootloader not active
 - USB Bootloader active (comes on briefly when the board is started)
-

LED DL6 (Green) - XMULTICOM Bootloader

- XMULTICOM Bootloader not active
 - XMULTICOM Bootloader active (on during an OTA update)
-

LED DL9, DL10 (Red) - Input status

- No input signal
 - Input signal present
-

LED DL13, DL14 (Red) - Output status

- Output contact open
 - Output contact closed
-

LED DL17 (Red) - USB status

- No USB activity
 - USB storage device detected on connector (J8), update in progress.
 - * Update completed successfully.
 - * Error
-

4.7 TIMER BATTERY

The battery is only required if you wish to use the timer features of the Simply Connect app. Insert a CR2032 battery into the holder B1 (🔌3).

4.8 COMPLETING THE INSTALLATION

Install the Simply Connect PRO app that can be downloaded from the Google Play Store (for Android) or from the Apple App Store (for iOS).



Check the compatibility of your operating system on the following website
https://www.faacsimplyconnect.com/en_int/supported-devices/

5. FIRMWARE UPDATE VIA USB

The XMULTICOM firmware can be updated via a USB pen drive.

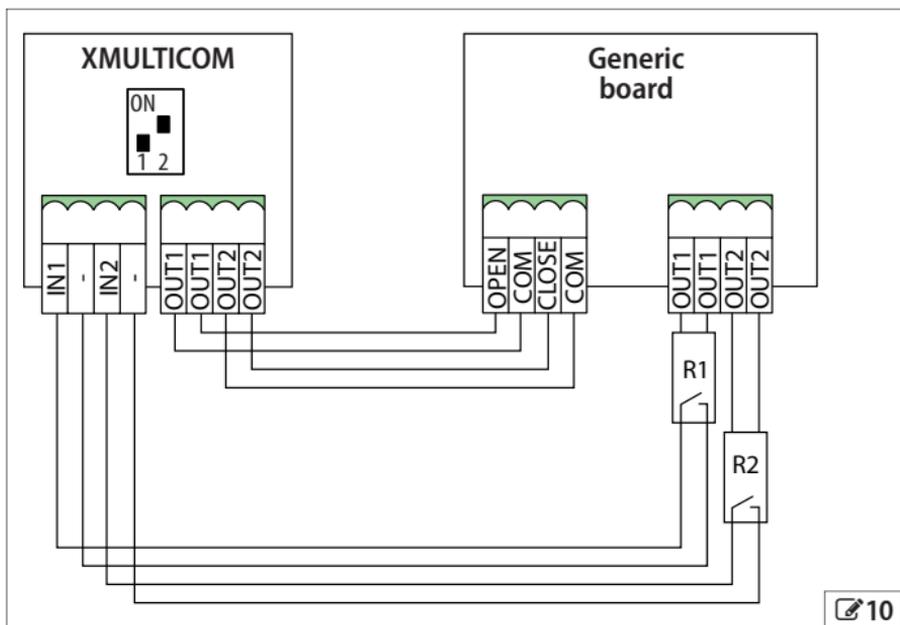
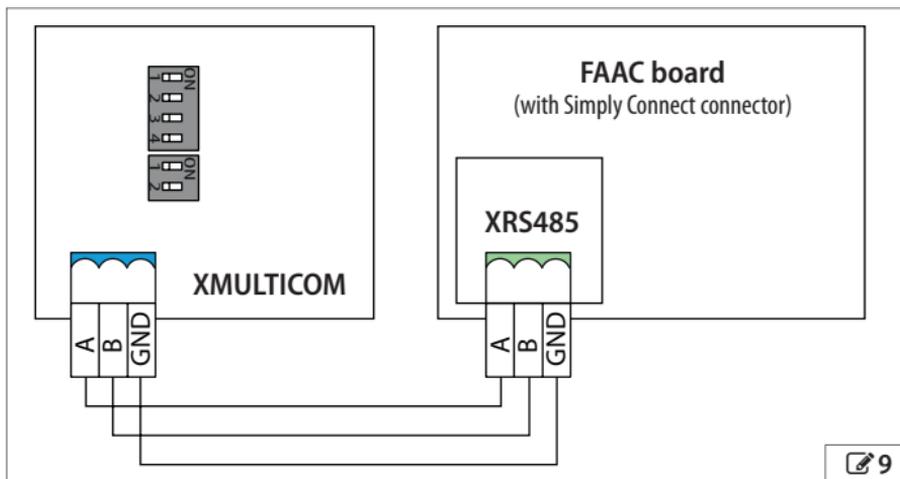


The USB pen drive must be formatted with FAT or FAT32 file system. The NTFS format is not recognised.

1. Turn power off to the XMULTICOM.
2. Insert the USB pen drive into the USB port (J8).
3. Turn power on to the XMULTICOM.
4. If the device is detected correctly, the LED DL17 (🔌3) lights up steadily.
5. If a valid firmware is available on the device, the update is carried out and LED DL17 stays on steadily until the operation has been completed. If a valid firmware is not found, an error is indicated by short flashes (🔌1) for 30 seconds or until the USB pen drive is removed, then the normal application starts.
6. If the update is successful, LED DL17 emits long flashes (🔌1) for 10 seconds and then the normal application starts. If an error occurs during the update, it is indicated by short flashes (🔌1) for 30 seconds or until the USB pen drive is removed.

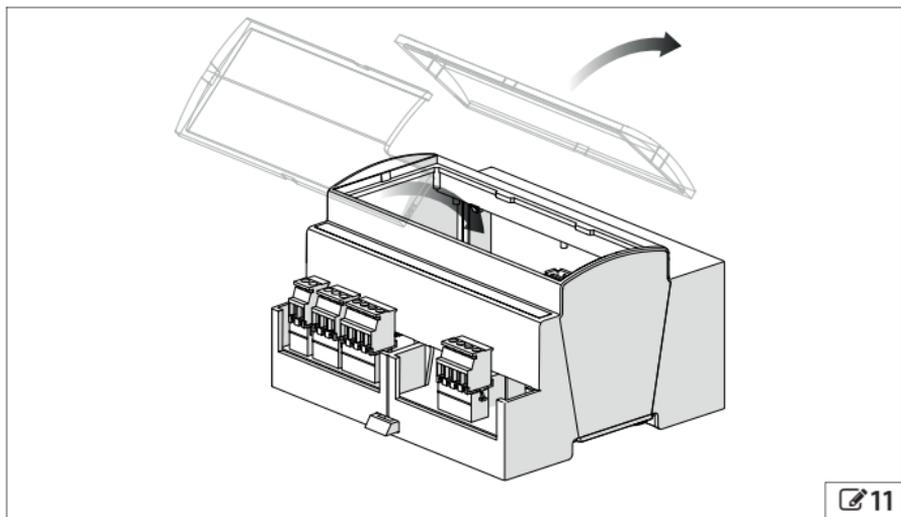
1 Example system

The example shown is an illustration only and is just one of the possible applications of the XMULTICOM (🔗9 for use with FAAC boards fitted with a Simply Connect connector, 🔗10 for use with a generic board).



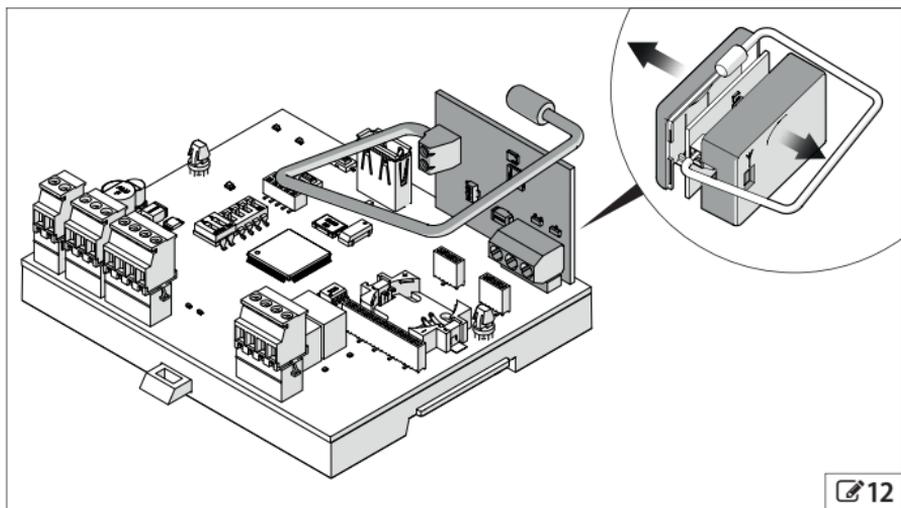
2 Using of a LAN connection

When using a LAN cable connection, replace the transparent part of the front cover with the moulded cover supplied (1 and 11)



3 Installing an XF receiver

To install an XF receiver, remove the plastic cover by separating the two half-covers. Insert the receiver PCB as shown in figure 12



FAAC

FAAC S.p.A. Soc. Unipersonale
Via Calari, 10 - 40069 Zola Predosa BOLOGNA - ITALY
Tel. +39 051 61724
www.faac.it - www.faac technologies.com

