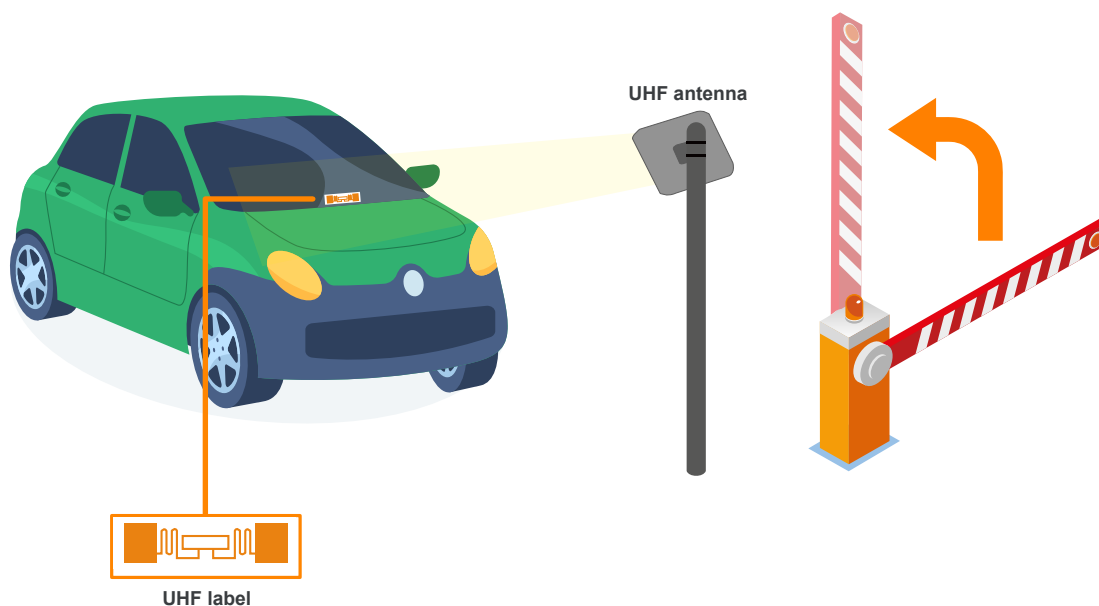iP·opener

golmar

UHF

INTRODUCTION

This manual details how to make use of UHF identification in iP-Opener.

This type of identification is especially suitable for vehicle access management, as well as for wanderer control.

Vehicle access management

A vehicle containing a UHF tag previously registered in iP Opener is detected and access is granted by opening the barrier.

UHF antenna

UHF label

Wanderer control

The door remains unlocked allowing the entry of people.

The door is locked when it detects a person who is not authorized to leave the building (UHF tag on clothing previously registered in iP Opener).

UHF tag
on clothing

RANGE OF PRODUCT

The elements that compose the UHF product range are described below.

REFERENCE	CODE	IMAGE	DESCRIPTION
GM-UHF-LR	20720041		Long-range UHF reader antenna (8~10m)
GM-USB-UHF	20700101		Desktop reader for UHF credential identification.
GM-UHF-CARD	20710040		UHF identification in card format.
GM-UHF-LABEL	20710041		UHF identification in sticker format.
GM-UHF-LAUNDRY	20710042		UHF identification in tag format to be placed on clothing.
GM-UHF-WINDSHIELD	20710043		UHF identification in sticker format for vehicle windshields.
GM-UHF-PULDOOR	20710044		UHF identification in wristband format.

Acquire the reader antenna, the desktop reader and the type of credential required for identification.

GM-UHF-LR ANTENNA READER MOUNTING
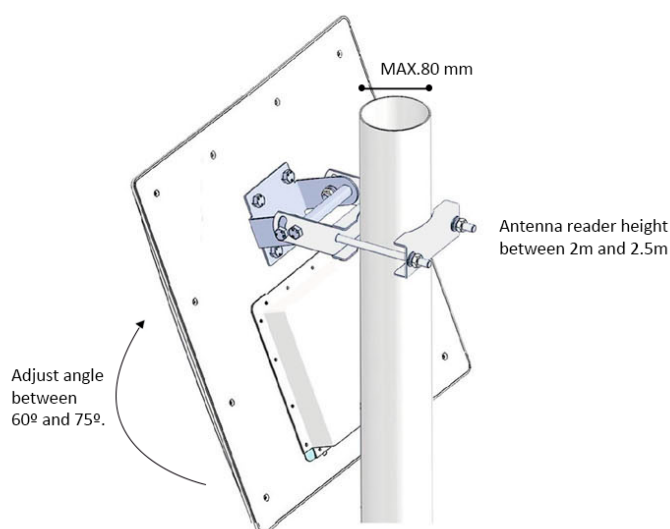
The reader antenna includes the following material.

PRODUCT	IMAGE	DESCRIPTION
UHF antenna reader		Antenna for UHF credential identification.
12Vdc power supply		12V DC adapter
RS-232 cable		DO NOT USE.
Bracket		Bracket for placement of antenna reader on the mast.

The dimension of the antenna is 445(W) x 445(H) x 40(D) mm. While the antenna fixing holes for bracket placement keep a distance of 60mm between them.

First, attach the bracket to the back of the reader antenna, then attach the bracket to the mast. This should be done on a mast with a maximum diameter of 80mm and it is recommended to do it at a height between 2 and 2.5 meters. Finally, direct the antenna towards the desired identification point at an angle of 60º to 75º.

See assembly example below:

WIRING DIAGRAM

iP-Opener WIEGAND controller

Door 1

12V+ · 0V · REX+ · REX-/D5- · D5+ · C · NC · NO · W0 · W1 · GREEN LED · RED LED · BUZZER · LED 3 · TAMPER · 0V

GM-UHF-LR antenna

GREEN (W0)
WHITE (W1)

Relay contact to be connected to electronic barrier board

2 x 1.5mm (max. distance 1000m)

2 x 0.22mm (max. distance 80m)

BLACK (GND)
RED (12VDC)

UHF reader local power supply

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+

2 x 0.75mm (max. distance 80m)

230VAC
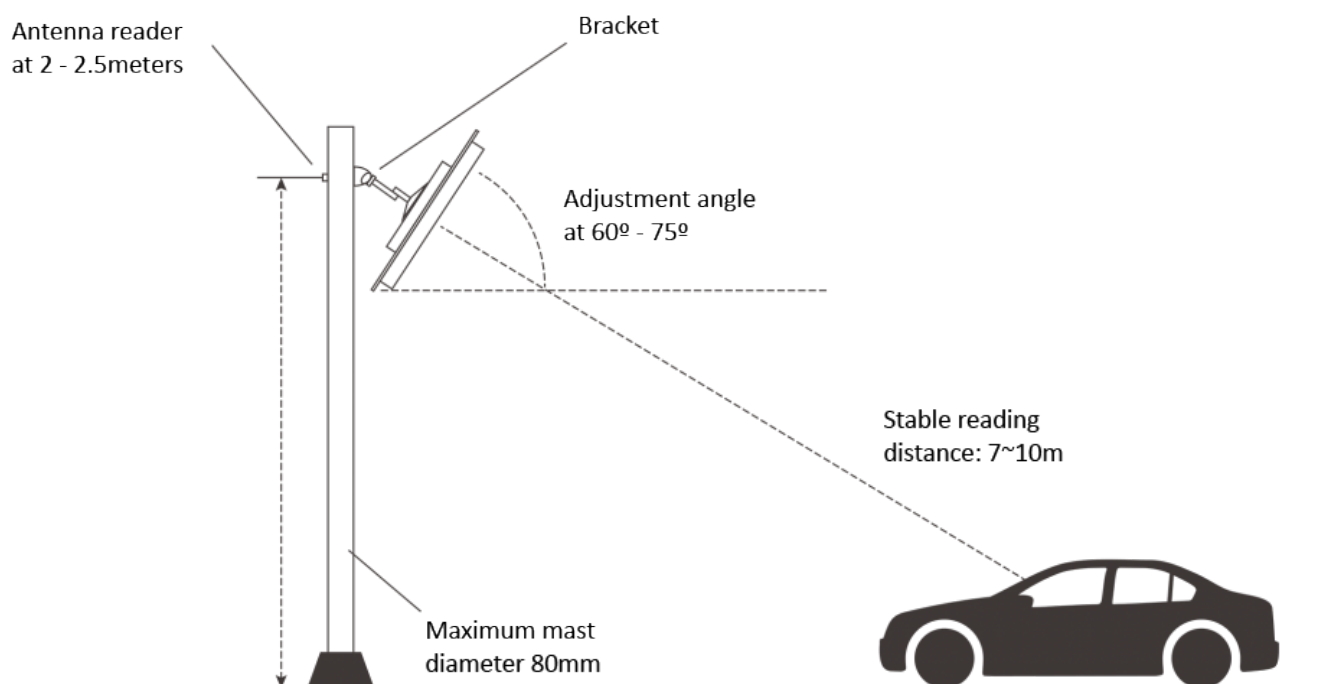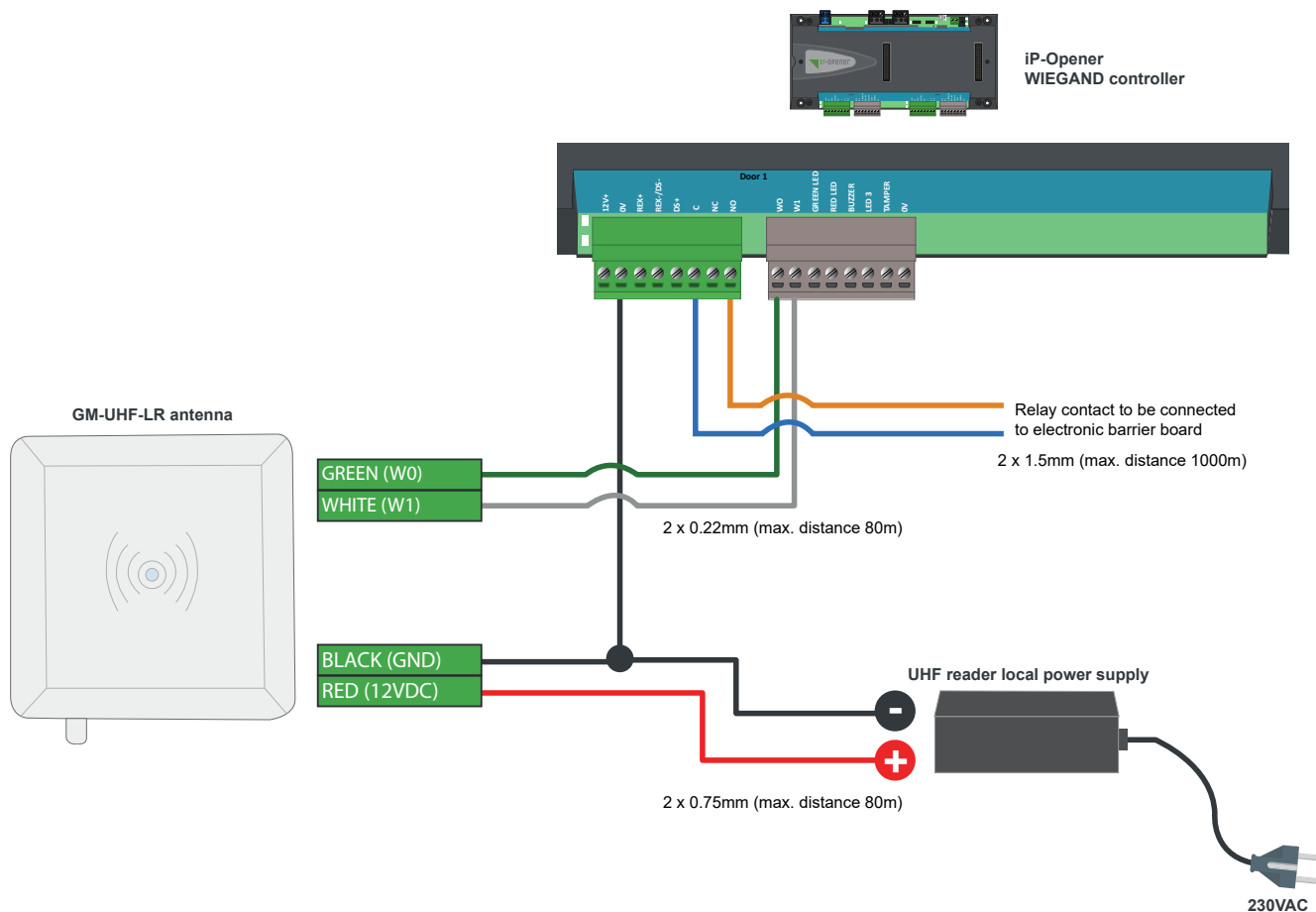
PROGRAMMING

The UHF antenna works as a slave reader and depends on the configuration set in iP Opener, consult Golmar for the cost involved in the remote configuration of the system.

CREDENTIALS REGISTRATION

To register UHF credentials in iP Opener follow the procedure below:

1) Connect the GM-USB-UHF Desktop Reader to your computer:

Microsoft Windows

USB DESK READER

2) Open the "notepad" or some other text application.
3) Bring the UHF ID close to the GM-USB-UHF reader, the ID will appear on the screen.
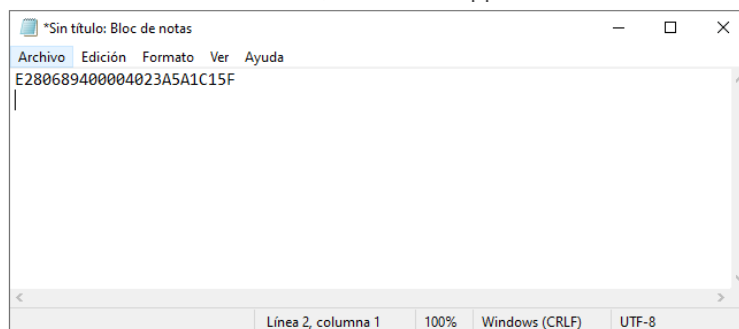
4) Copy the last 6 digits of the ID.
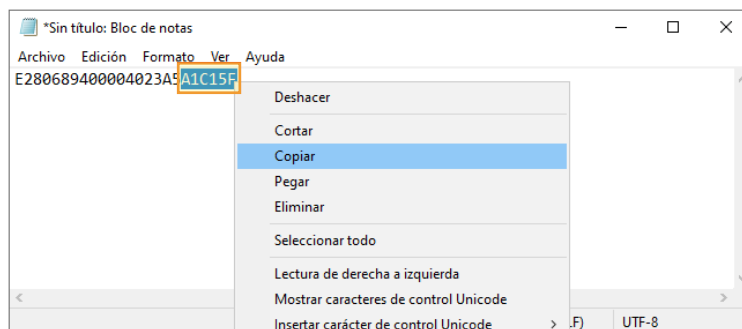
5) Finally, generate a user in iP Opener with credential type "Other (hexadecimal)" and paste the last 6 digits of the ID copied previously.

To do so, go to the "Access profile and badges" menu, select the access profile that the user to be created is going to use, click on "Add a user" and then "Add a credential".

The registered credential will be authorized:

In case it is required that a same user has different credentials, select the user, click again on "Add a credential" and register the new credential as you have previously proceeded.

NOTES

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iP-opener