



## Caruso speech synthesizer

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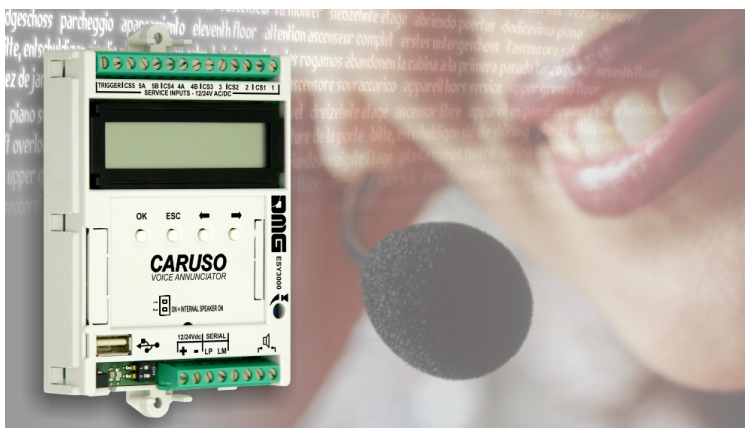
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CARUSO is a voice synthesizer for lifts that allows you to play floor and service messages from a message library (8 languages + 1 custom). CARUSO can be driven exclusively in serial mode (with DMG Deum encoder or with Playboard controller).

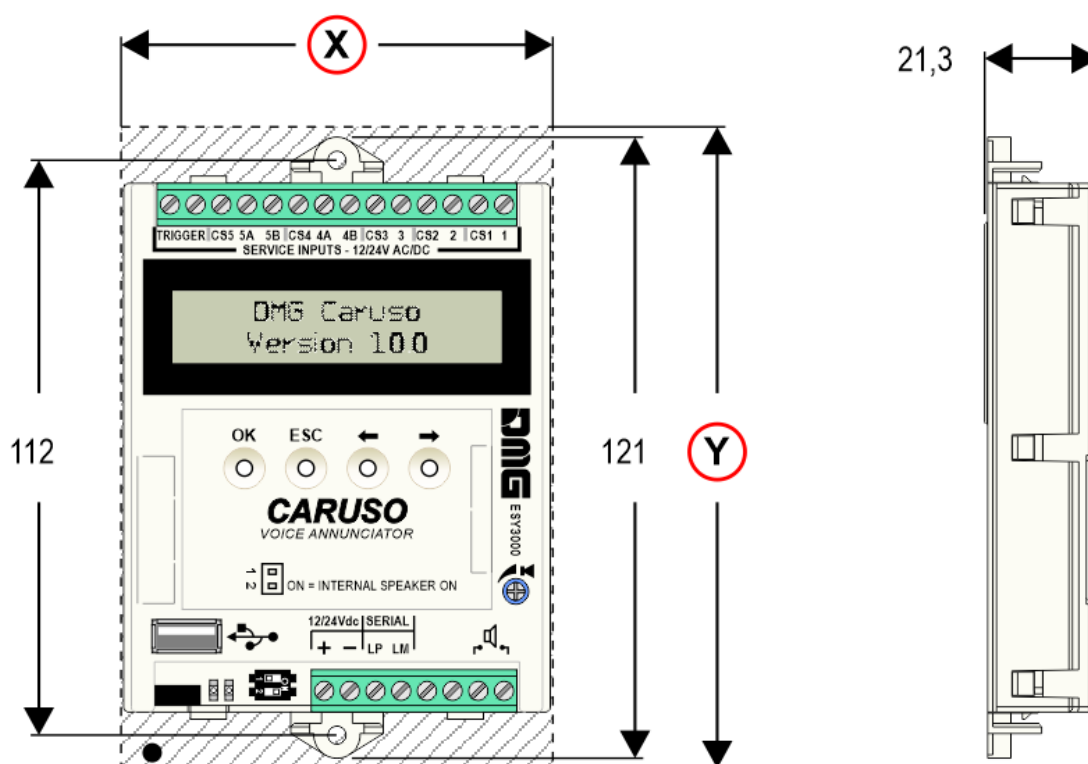
## Safety and usage cautions

Before installing our products, we recommend you to consult the section about safety and usage cautions at the link below



## Overview & main features

- Factory pre-loaded messages
- Automatic Dual Language mode (i.e.: “First floor” & “Premier étage”)
- Manual Dual Message mode (i.e.: “First floor” + “Restaurant”)
- Output for optional external speaker (8 Ohm 1W max)
- USB port for additional messages and firmware updates
- Night shift mode (Programmable volume reduction)
- Trimmer for volume adjustment
- 8 opto-isolated inputs with independent common (12/24V AC/DC):
  - 7 configurable inputs for service messages
  - TRIGGER input for floor message reproduction



Overall dimensions including connection cable:

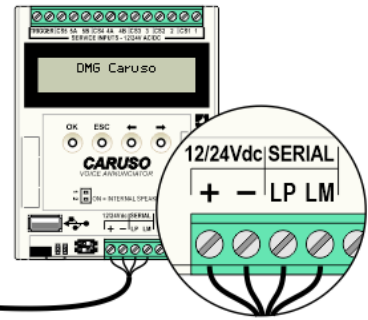
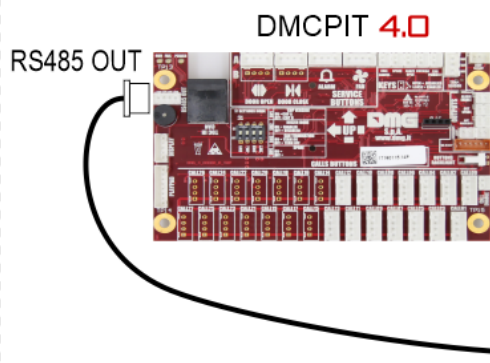
X) – 84 mm

Y) – 125 mm / 143 mm (with supporting plate)

## Wiring Instructions

### Connection to the controller

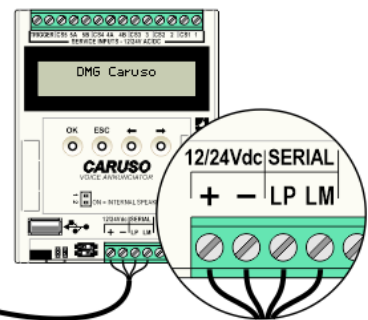
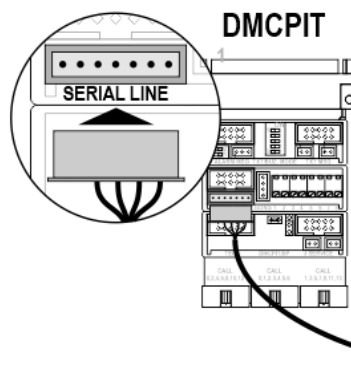
## PITAGORA 4.0



Trigger command embedded in the Serial Bus

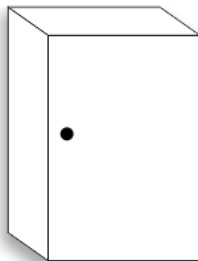
## DMG Pitagora V3

### PITAGORA III

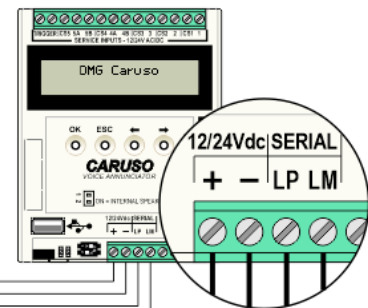
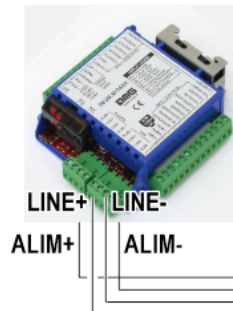


Trigger command embedded in the Serial Bus

## Others Controllers + DMG Encoder



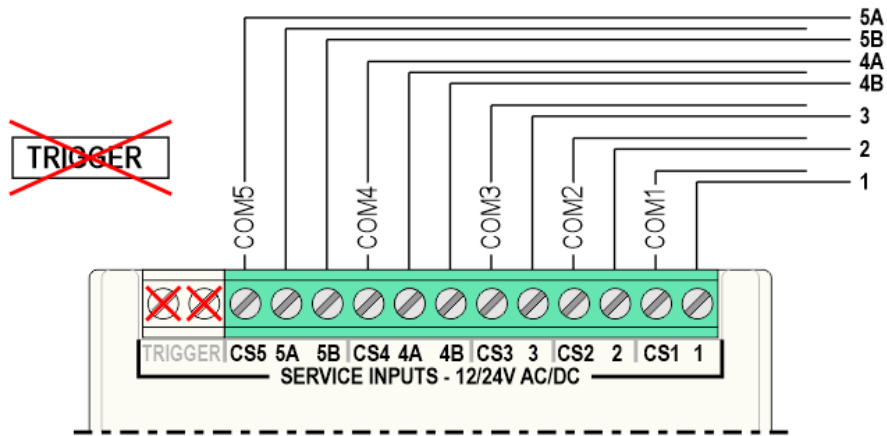
### Encoder DEUM.M15SER



Trigger inputs on DMG encoder (DEUM.M15SER)

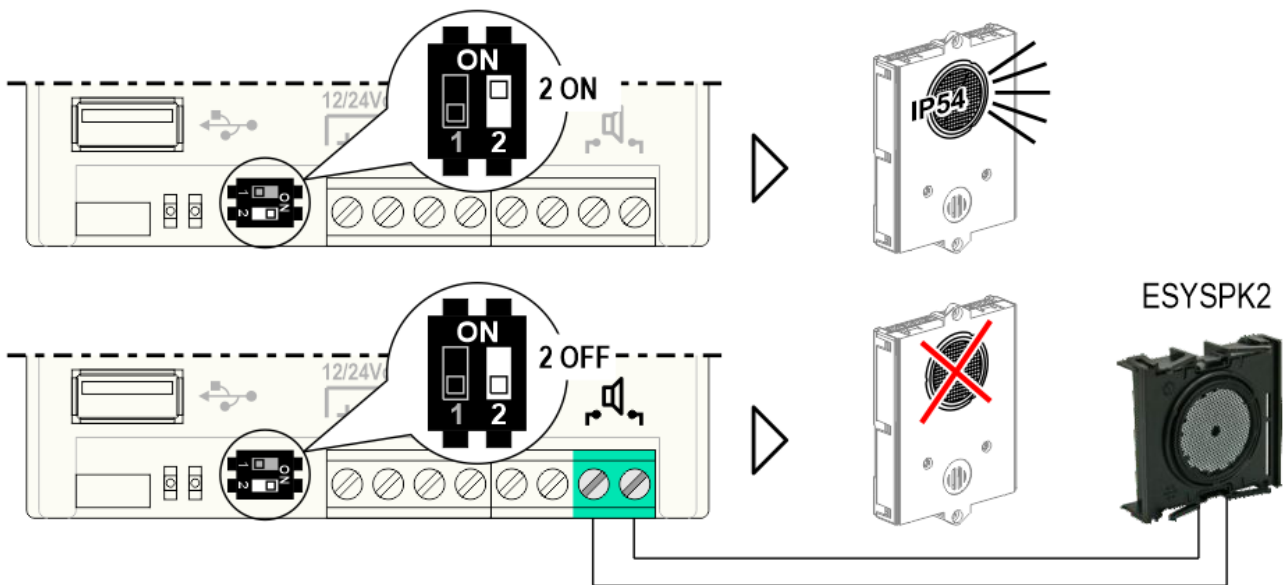
## Connection of service inputs

7 inputs with independent commons are available for service messages.



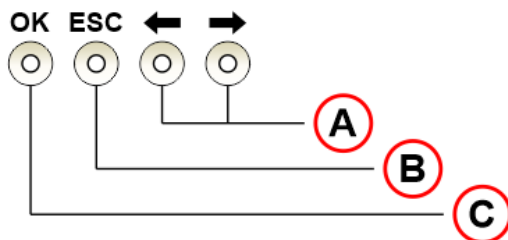
7 programmable service inputs: 12/24V ac/dc (optoisolated)

### Selection of internal / external speaker

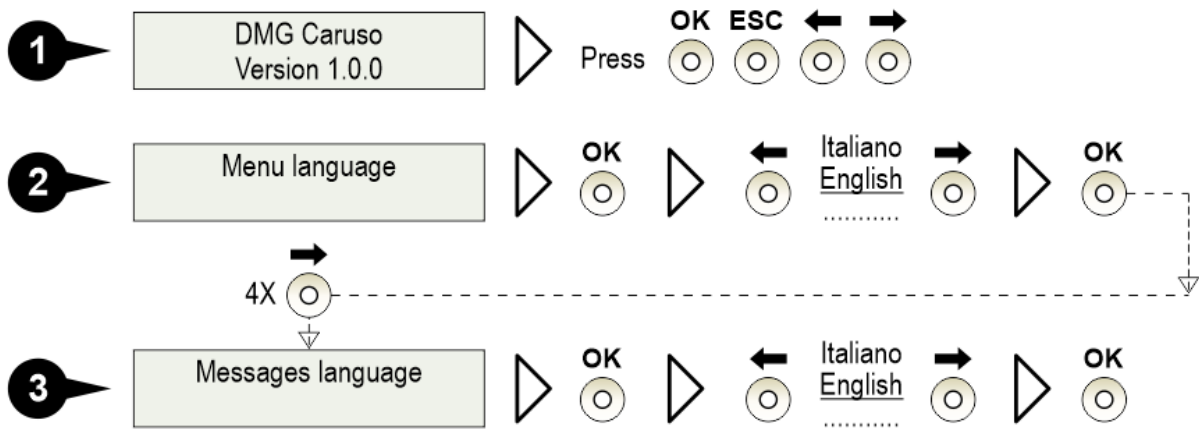


## Programming

### Basic programming



- A) – Navigation keys of the options of each level
- B) – Exit the current level and return to the higher level
- C) – Access to menu and confirm selection



1) – Press a button to access the menu

2) – Select the menu language

3) – Select the messages language

## Advanced programming

Menu		Options	Note			
Menu Language		Italiano / English / Française / Deutsch / Russkiy / Español				
Gong at floor		Enabled / Disabled				
Direction messages		Tones & messages / Disabled / Play messages / Play tones				
Direction messages timing		- On start & end. - On start (direction arrows) - On end (next direction arrows)				
Automatic message mode	Messages language	Italiano / English / Française / Deutsch / Español Portugués / Russkiy / American English / User library				
	Automatic double language	Italiano / English / Française / Deutsch / Español Portugués / Russkiy / American English / User library / Disabled	(*1)			
Manual message mode	First message floor current	<u>1) - Language selection:</u> Floors - Basic (Italian) Floors - Advanced (Italian)	(*2)			
	Second message floor current	<u>2) - Choice of message:</u> Messages library Floors - Basic (English) Floors - Advanced (English) ..... No message		(*3)		
First message service inputs		<u>1) - Choice of input:</u> Service 1 Service 2 Service 3	<u>2) - Language selection:</u> Floors - Basic (English) Floors - Advanced	<u>3) - Choice of message :</u> Messages library	<u>4) - Mode selection:</u> - Single - Continuous	

Menu	Options			Note
Second message service inputs	Service 4/B Service 4/A Service 5/B Service 5/A	(English) Service - Basic (English) Service - Advanced (English) ..... (French) ..... No message		
Night speaker volume attenuation	<u>1) - Choice of input:</u>  Service 1 Service 2 Service 3 Service 4/B Service 4/A Service 5/B Service 5/A Deactivated	<u>2) - Volume selection:</u>  Low level: -20 dB Medium level: -10 dB Disable speaker		
Loudspeaker volume level	Low: 30 - 50 dB Medium: 50 - 70 dB High: 70 - 90 dB			(*4)
Erase user memory!	Deletes all custom data (*.mp3, *.wav, *.cs2) entered by the user			

(\*1) – If enabled, the second language message is played after the first.

(\*2) – Allows you to change the First message automatically associated in “Messages language”.

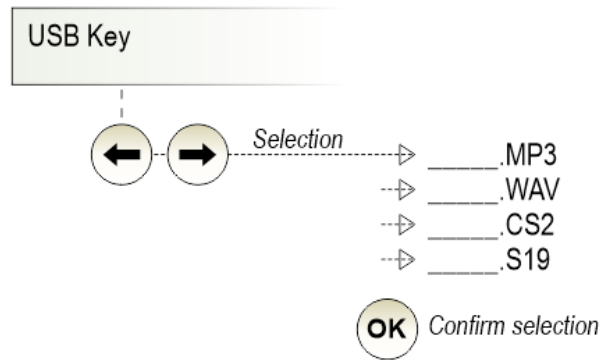
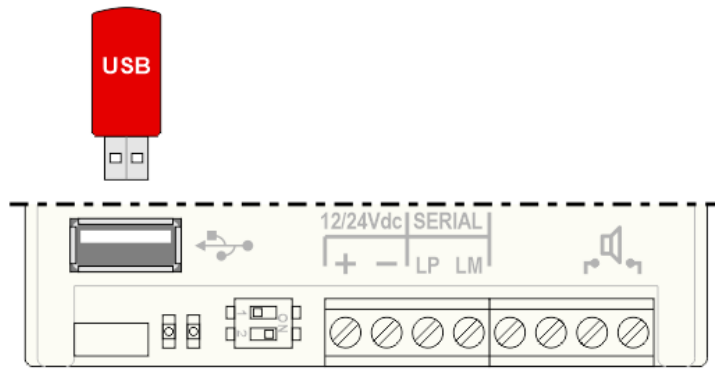
(\*3) – Allows you to add the Second message (2 max.) or modify it if already present (i.e.: “Automatic double language”).

(\*4) – Use Trimmer for volume adjustment.



## Advanced functions

### Updating via USB key



User memory	Max 2 Mbyte
file .Mp3	Audio file (recommended)
file. WAV	Audio File (16 bit 22.000 Hz mono)
file .CS2	Configuration file / restore (available at DMG site): <ul style="list-style-type: none"> <li>• Messages</li> <li>• Settings</li> <li>• Message &gt; floor assignment</li> <li>• Message &gt; service input assignment</li> </ul>
file .S19	Firmware update file

## Datasheet

Power supply	Voltage: 12Vdc – 20% ÷ 24Vdc + 20% 12Vac ÷ 24Vac + 20% (Rectified) Stand-by absorption: 60mA (24Vdc), 100mA (12Vdc) Max absorption: 100mA (24Vdc), 180mA (12Vdc) Nominal voltage for service inputs: 12/24 Volt AC/DC
Operating temperature	-10°c ÷ +50°c
Audio	External speaker output: 8 ohm 500mW Internl speaker max power: 85 dBA @ 1m Supported audio formats: mp3, wav

## Certificates

[EU Caruso declaration of conformity](#)

[Download](#)

