

GIOVE CASMKII USER MANUAL

MULTIROOM DOMOTICA AUDIO - VIDEO

Linea
GIOVE

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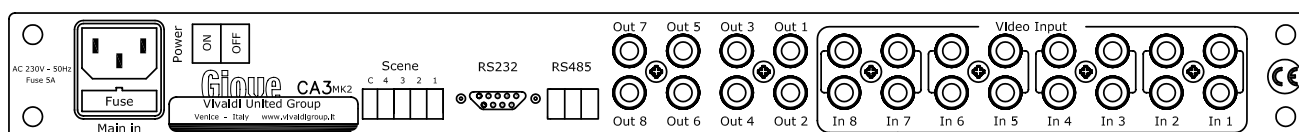
Overview

- 8 inputs on 8 outputs composite video matrix
- Controlled from the front panel or serial ports (RS232/RS485)
- 9 different presets can be activated by IR control
- Green backlighted display
- Internal clock
- Timer activable scenes
- Up to 99 Preset can be activated by menu
- Up to 4 Presets can be activated by contact closure
- Automatic operation by Giove CA1/CA2/CA20/CA21

Front panel

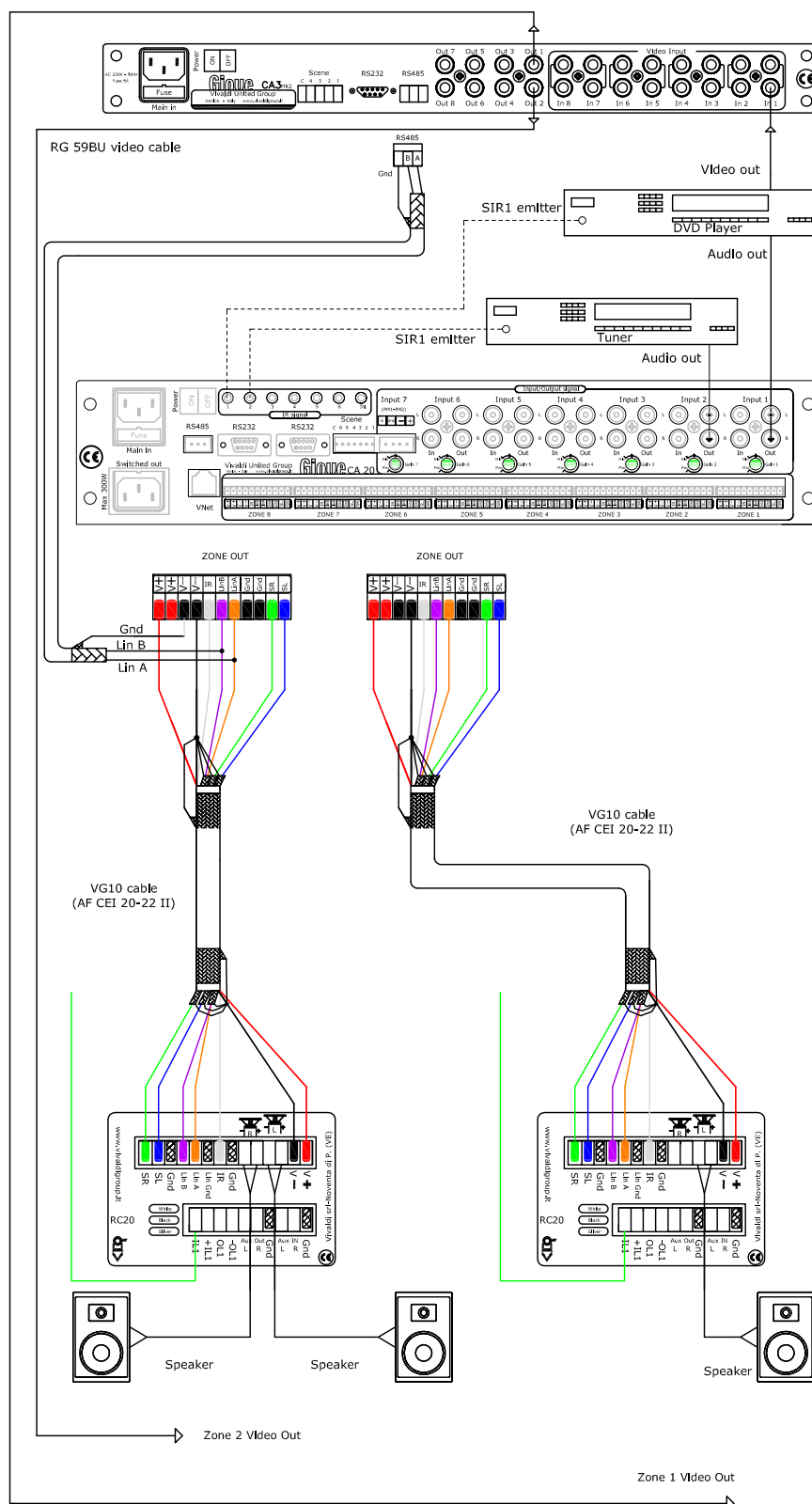


Rear panel and connections



- * N. 8 composite video in/out
- * N. 8 composite video outputs
- * N. 1 RS232 port
- * N. 1 RS485 port
- * N. 4 Optocoupled contacts, to activate the first four presets
- * N. 1 Main power switch
- * 220 Vac - 15W power supply
- * Dimensions 440x46x320 mm (WxHxD)
- * 1 Rack units
- * Weight 3,5 Kg

Giove CA3 mk2 and Giove CA20/CA21



How to link a Giove CA3MKII to a Giove CA20.

In this example video distribution is added to the traditional audio multiroom distribution.

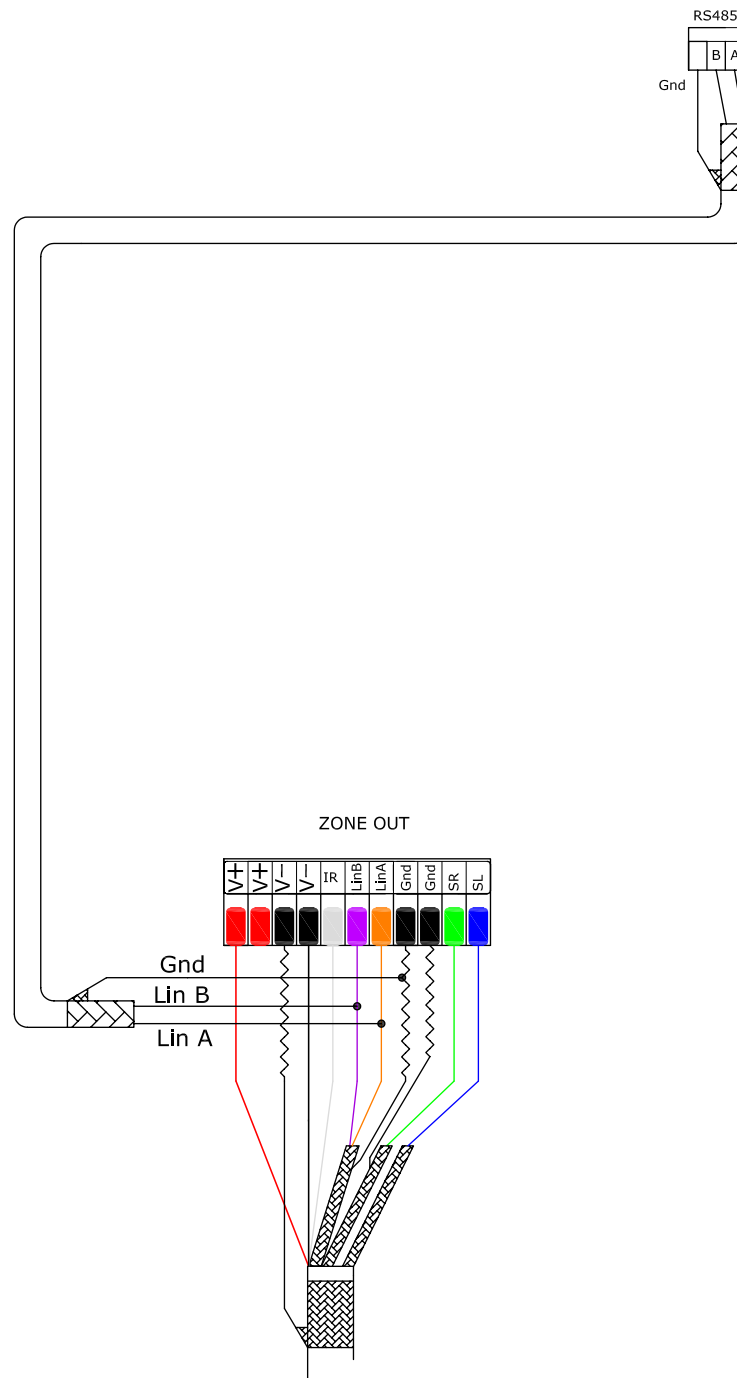
Selection of video signals is totally automatic, for example selecting the DVD on the RC20 both the audio and video signals will be set and it will be possible to see the video on a TV and listen to the audio on the loudspeaker wired to the RC20.

Wiring the RS485 port

Connecting a CA3MKII to a CA20 enable you to obtain a complete audio/video control system. Selecting a source on an RC20, the CA20 automatically dialogues with CA3MKII to select the correct video source.

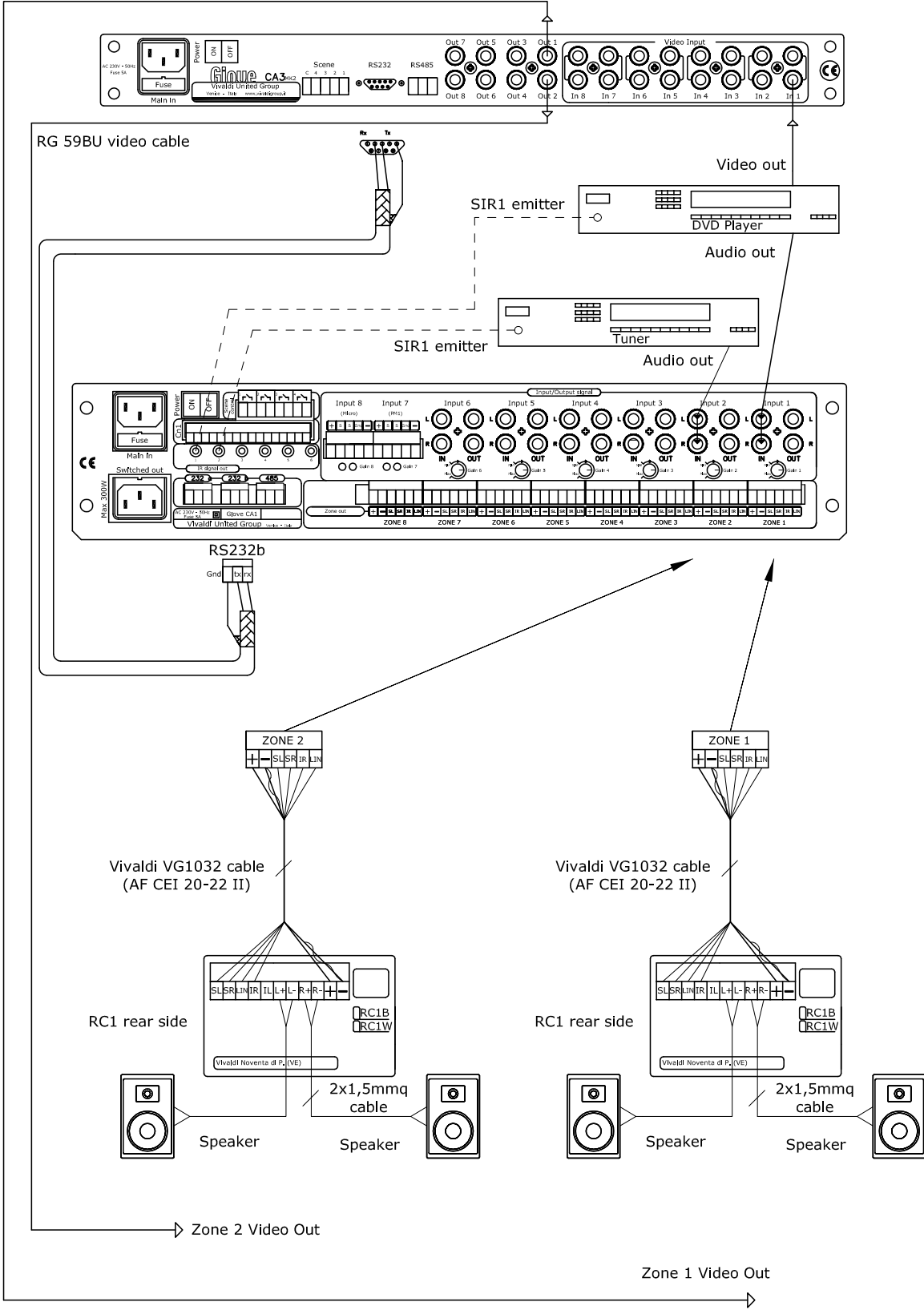
Additional settings on the CA3MKII are not required, it is totally Plug and Play.

Connection between Giove CA20/21 and CA3MKII in detail



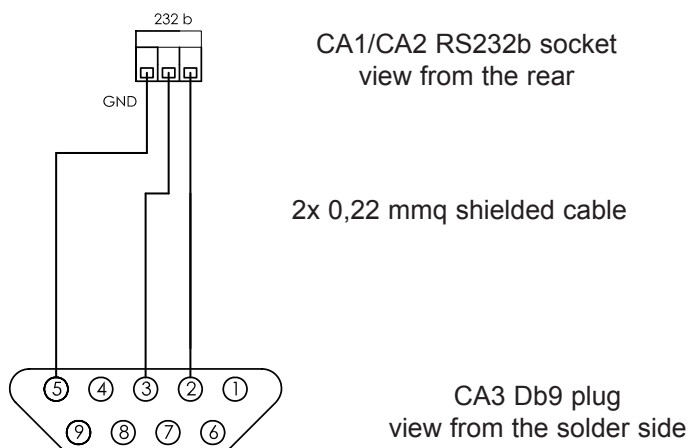
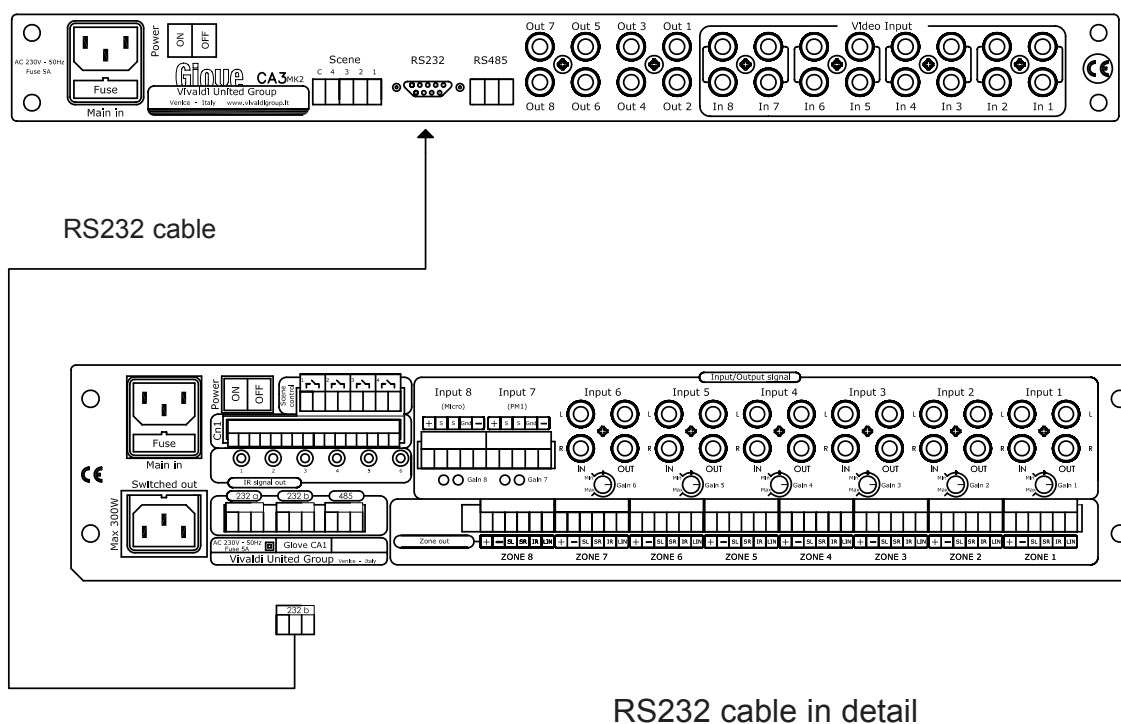
Connect the Giove CA3MKII to a Giove CA20/CA21 zone socket, using an empty socket or connecting the CA3MKII in parallel to a RC20 cable as shown.

Giove CA3 mk2 and Giove CA1



On this example you can see the same system on pag 4 but using a Giove CA1 controller instead of a Giove CA20

Wiring the RS232 port



Connect the Giove CA3MKII to the Giove CA1/CA2 RS232 socket, following this schematic.
In a Giove CA1 system up to 8 video zone will be available.
In a Giove CA2 system the first 8 zones will be available as video zones.

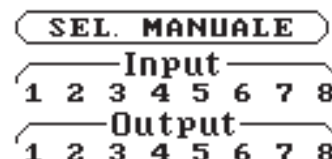
Front panel controls



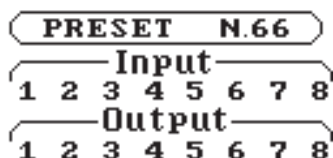
The default screen is on the left
To select the source manually press "menu"
key and select "manuale", see figure on the
right; confirm your choice pressing the
encoder (knob).



Rotate the knob until positioned on the desired output number.
Press the knob, the number stop blinking and it is possible to choose the
input to assign; rotate the knob until the correct input is found.
Press the knob again to store the choice.



To activate a preset select "Preset" from the "menu" screen.
Once entered the "Preset" menu the cursor is placed on the preset
number.
Rotate the encoder and press to activate a preset.



It is possible to activate a preset, but it is not possible to modify it.
Go to "setup" menu to store presets.

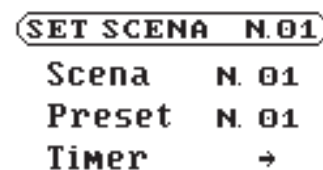
From the "setup" menu it is possible to set Clock, Scene and Presets.



To set the Clock select "Clock" from "setup" menu.
Select the numbers rotating the encoder and confirm pressing it.
Exit and confirm pressing "menu" key.



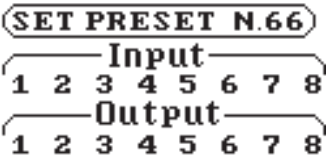
"Scene" menu allows to assign a preset to a specific scene and to activate
it at a desired time.
Enter the "Timer" menu to set the time to start and stop the scene.
The first four scenes are assigned to the first four contact on the rear CA3
scene socket.



Using the CA3 by menus



Selecting "Preset" it is possible to enter a menu that allows to store IN/OUT arrangements called presets. Each preset is a particular IN/OUT combination.



Operate the same way than in manual mode, there are up to 99 preset available.

CA3MKII control by serial ports

It is possible to control the Giove CA3MKII from a PC or a domotic system sending serial strings to the RS232 or RS485 ports.

Port setting:	RS232	RS485
Baud rate	9600	57600
Parity	None	None
Bits	8	8
Stop bit	1	1

Two different instructions is possible to send.

To select an input

String to send: Bxyyy

"B" is a fix character for this function
"xx" is the input (01,02,03,04,05,06,07,08)
"yy" is the output (01,02,03,04,05,06,07,08).

E.G. the string "B0108" select input 1 to output 8.

To recall a Preset

String to send: Rnn

"R" is a fix character for this function
"nn" is the preset to recall (01,02,03.....99,99)

E.G. the string "R03 recall preset #3.

String shows are intended as alphanumeric (ASCII), for example "R03" means \$52\$30\$33 Hex. Follow every string by an ASCII Carriage return (0D Hex).



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