# In-Wall **FM/DAB** Display

eiss**ound**

CC-1205ENG-01
64460133

1. Description

The Control Unit with display is a stand alone In-Wall FM/DAB unit. The features of the In-Wall Control Unit includes an FM/DAB tuner and two additional stereo audio inputs. While ideal as a stand alone radio option, integrating it with our In-Wall Bluetooth Audio Receiver or other audio sources makes it the perfect audio system.
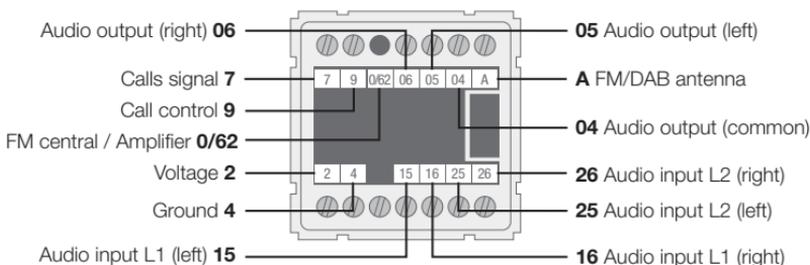
2. Installation

2.1 BASIC INSTALLATION

8 ohm / 1,5W　　　　8 ohm / 1,5W
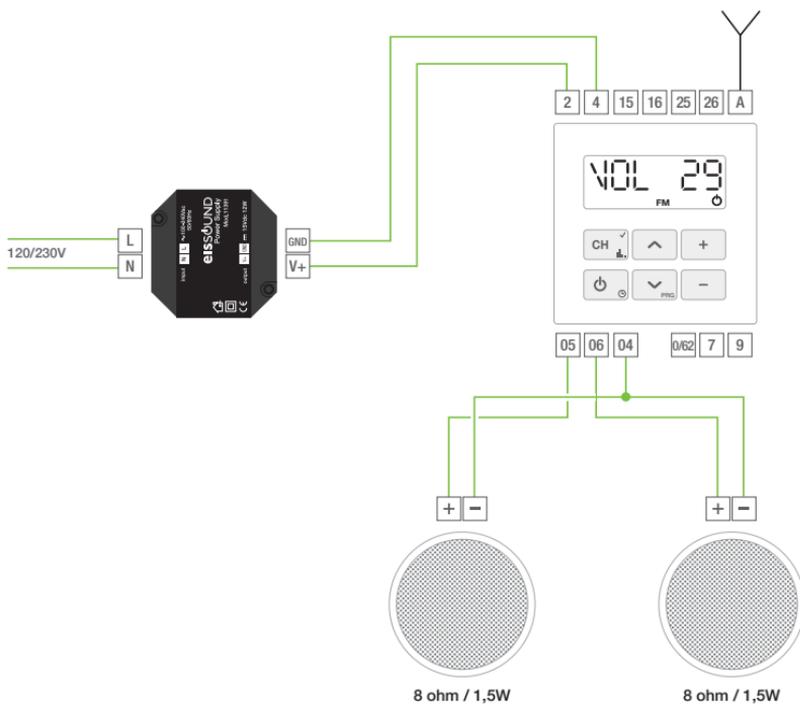
2.2 TECHNICAL SPECIFICATIONS

328x1 / 328x2	MIN	NORMAL	MAX		COMMENTS
Measurements		45x45x45,5		mm	exterior (width x height x depth)
		45x45x36		mm	cavity (width x height x depth)
		45x45		mm	face cover (width x height)
Voltage		15	15,5	Vdc	terminals 2,4
Consumption demand 328x1	8	50,2		mA	terminals 2,4
Consumption demand 328x2	20	60		mA	terminals 2,4
Input signal		2,75		Vrms	terminals 15, 16, 25, 26, NORMAL mode
		1,22		Vrms	terminals 15, 16, 25, 26, PROF mode
		0,32		Vrms	terminals 15, 16, 25, 26, OTHER mode
Input impedance		3300		ohms	terminals 15
		33000		ohms	terminals 16, 25, 26
Audio output signal			1,5	W	terminals 05, 06, 04, 8 OHM mode
			1	W	terminals 05, 06, 04, 16 OHM mode
			1,288	Vrms	terminals 05, 06, 04, LINE mode
			2,585	Vrms	terminals 05, 06, 04, AMP1 mode
External amplifier activation signal			5	Vdc	terminals 05 (DC component)
			15	Vdc	terminal 0/62
Call reception signal		2,75		Vrms	terminal 7
Passband	20		22000	Hz	
Distortion		0,1	1	%	
Frequency range	87,5		108	MHz	FM
	174		240	MHZ	DAB
Antenna impedance		75		ohms	FM
		50		ohms	DAB
Antenna sensitivity		3,5	10	uV	
Tuner distortion			1	%	
Number of memories FM			10		
Number of memories DAB			10		

TERMINALS

Audio output (right) **06**
Calls signal **7**
Call control **9**
FM central / Amplifier **0/62**
Voltage **2**
Ground **4**
Audio input L1 (left) **15**

05 Audio output (left)
A FM/DAB antenna
04 Audio output (common)
26 Audio input L2 (right)
25 Audio input L2 (left)
16 Audio input L1 (right)

2.3 INSTALLATION MENU

When accessing the Installation menu please take note that the FM/DAB DISPLAY Control Unit must be in OFF mode.

To activate the installation menu press the **v** and **+** keys simultaneously for 6".

1. Use the **v** and **∧** key to scroll through the menu.

2. Use **+** and **-** keys to scroll up and down through the options.

3. Only use the **CH** key to validate the option selected.

LANGUAGE:
Select the language desired for the display.

AUTO ON/OFF: By default the Control Unit starts in OFF status when it is powered (2,4 terminals). Activating the AUTO ON option the Control Unit will start in ON status (IDEAL mode) when powered.

MONO / STEREO: Selects the Control Unit's audio output mode (terminals 04, 05, 06) between MONO or STEREO.

AUDIO OUTPUT: Adjusts the audio output level of the Control Unit (terminals 04, 05, 06) between 8 OHM, 16 OHM, LINE (line level), AMP1 (output for EISSOUND amplifiers ref. 13102 and 13203), and AMP2 (output for EISSOUND amplifier ref. 13204).

Installation Menu	I N S T
Language	E N G
	E S P
	F R A
	G E R
Auto On / Off	A U T O N
	A U T O F F
Mono / Stereo	S T E R E O
	M O N O
Audio Output	8 O H M
	1 6 O H M
	L I N E
	A M P 1
	A M P 2

BALANCE: Adjusts the left / right balance of the audio output (terminals 04, 05, 06).

VOL LIMIT: Limits the maximum volume for the user.

MENU LOCK: Locks / unlocks access to the user menu and the FM/DAB save/delete memories' menu.

L1 ENABLE: Activates / deactivates the input channel L1 (terminals 15, 16). When L1 is disabled, it will not appear when selecting the audio channels with the CH key.

L2 ENABLE: Activates / deactivates the input channel L2 (terminals 25, 26). When L2 is disabled, it will not appear when selecting the audio channels with the CH key.

FM ENABLE: Activates/deactivates the FM audio channel. When FM is disabled it will not appear when selecting the audio channels with the CH key.

L1 MONO / STEREO / MIX: In STEREO mode (default mode) the terminals 15 and 16 will be a left and right STEREO input. To activate this option, press the CH key, the display will show L-IN 1 (label that can be customized with the L1 LABEL menu option).

In MONO mode the terminals 15 and 16 will be two independent MONO channel inputs. To activate these two channels press CH key, the display will show L-IN 11 (input on terminal 15) and L-IN 12 (input on terminal 16).

In MIX mode the terminals 15 and 16 will be two independent MONO channel inputs and to to listen to both channels mixed press the CH key and the display will show MIX1. (See diagrams in Annex 1).

L2 MONO / STEREO / MIX: In STEREO mode (default mode) the terminals 25 and 26 will be a left and right STEREO input. To activate press the CH key and the display will show L-IN 2 (label that can be customized with the menu option L2 LABEL).

Balance	B A L - 1 5
	... ...
	B A L + 1 5
Volume limit	M A X 0 0
	... ...
	M A X 9 9
Menu Lock	L O C K
	U N L O C K
L1 Enable	L 1 O N
	L 1 O F F
L2 Enable	L 2 O N
	L 2 O F F
FM Enable	F M O N
	F M O F F
L1 Mono/Stereo	L 1 M O N
	L 1 S T
	L 1 M I X
L2 Mono/Stereo	L 2 M O N
	L 2 S T
	L 2 M I X

In MONO mode the terminals 25 and 26 will be two independent MONO channel inputs. To activate these two channels press the CH key and the display will shown L-IN 21 (input on terminal 25) and L-IN 22 (input on terminal 26).

In MIX mode the terminals 25 and 26 will be two independent MONO channel inputs and to listen to both channels mixed press CH key and the display will show MIX2. (See diagrams in Annex 1).

L1 INPUT LEVEL: Adjust the audio input level of the L1 channel (terminals 15, 16) between the options NORMAL (100 series), PROF (professional) or OTHER (Euroconnector level).

L2 INPUT LEVEL: Adjust the audio input level of the L2 channel (terminals 25, 26) between the options NORMAL (100 series), PROF (professional) or OTHER (Euroconnector level).

L1 LABEL: Set the identification label of the audio source connected to the L1 channel (terminals 15, 16) between the options: L-IN 1 (default), BT (Bluetooth), TV, FM-CEN (100 series central FM tuner). The customization of this tag is available only when the L1 channel is set up as STEREO.

L2 LABEL: Set the identification label of the audio source connected to the L2 channel (terminals 25, 26) between the options: L-IN 2 (default), BT (Bluetooth), TV, FM-CEN (100 series central FM tuner). The customization of this tag is available only when the L2 channel is set up as STEREO.

FM CENTRAL: Allows connection with our 100 series central FM tuner to the input L1 (terminals 15,16) or L2 (terminals 25,26).

TERMINAL 0: Allows connection with terminal 0/62 to the terminal 0 of 100 series FM tuner or to the terminal 62 of the ceiling amplifier ref. 13204.

FACTORY RESET: Press the CH key to activate the factory reset.

VERSION: Press the CH key to check the Control Unit version.

L1 Input Level	N O R M A L P R O F O T H E R
L2 Input Level	N O R M A L P R O F O T H E R
L1 Label	L - I N 1 B T T V F M - C E N
L2 Label	L - I N 2 B T T V F M - C E N
FM Central	L - I N 1 L - I N 2
Terminal 0	C E N T R L A M P
Factory Reset	R E S E T
Version	V E R S

3. User Menu

When accessing the user menu, please take note that the FM/DAB DISPLAY Control Unit must be in OFF mode.

To activate the User Menu press the **v** key for 3".

1. Use the **v** and **Λ** key to scroll through the menu.
2. Use **+** and **-** keys to scroll up and down through the options.
3. Only use the **CH** key to validate the option selected.

FM MEMORY DELETE: Delete all FM favourites stored in the memory.

FM FORCED MONO: Activates / deactivates FM reception in MONO. Recommended when the reception is weak.

FM SENSITIVITY: Option to adjust the automatic station seek sensitivity for the Control Unit.

DO NOT DISTURB: In use only when connected to our 100 series audio system. Activates the "do not disturb" mode to avoid receiving calls. The NO CALL symbol appears on the display.

CALL VOL: In use only when connected to our 100 series audio system. Adjusts the volume level of the call message reception.

LIGHT ON: Adjusts the brightness level of the display when the Control Unit is in the ON status.

DAB SERVICES SCAN: Search and update the list of receivable DAB services.
Note: the first time the DAB audio channel is selected with the CH key, the Unit does not have any service available so it will start

|	
User Menu	U S E R
FM Mem. Delete	D E L
FM Forced MONO	S T E R E O M O N O
FM Sensitivity	S E N S 1 S E N S 2 S E N S 3
Do not Disturb	N O C A L L C A L L
Call Volume	C A L L 0 0 ... ... C A L L 9 9
Light ON	L O N 1 ... L O N 5
Dab Services Scan	D A B

the scan automatically. If no services are found, the display will show NO AVAILABLE SERVICES. The DAB SERVICES SCAN can be updated, at any time, by pressing the CH key using the User Menu option.

DAB MEMORY DELETE: To delete all DAB favourites stored press the CH key.

Dab Memory Delete   D E L

4. Operation

Display Screen

Audio Channels
FM, L1, L2, DAB

Volume up/down

ON/OFF
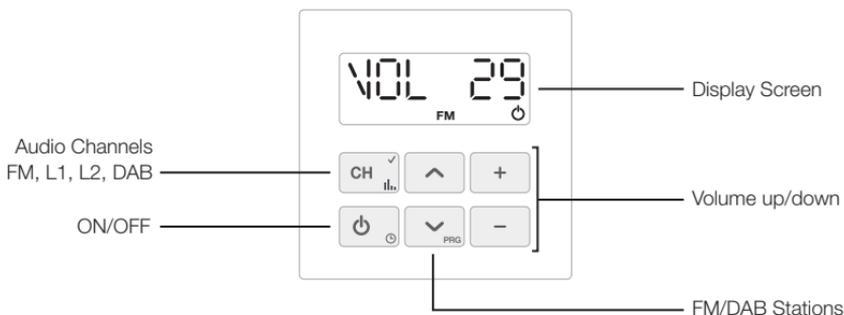
FM/DAB Stations

4.1 FM MANUAL SCAN

To select the FM stations press the **CH** key to select the FM audio channel.
With the ∧ and ∨ keys make a long press to scan through the FM stations
(See also "Fine Tuning").

4.2 DAB SERVICES

When choosing the DAB channel the DAB option will scan automatically
all DAB stations available.
With the ∧ and ∨ keys make a long press to scan through the DAB stations.

4.3 FM/DAB MEMORY PROGRAM

Pressing simultaneously the **∧** and **+** keys for 3"
the FM/DAB station selected is stored into
the favourite memory list (max 10 memories).
With a short press on the **∧** and **∨** keys you can
scroll through the memories stored.

4.4 FM/DAB MEMORY DELETE

Pressing simultaneously the **∨** and **-** keys for 3"
deletes from the favourite memory list the FM/DAB
station selected.

4.5 FM FINE TUNING

Pressing the **CH** and **+** keys simultaneously for 3"
set up the fine tuning options. The fine tuning options
are as follows:

1. Short presses on **+** or **-** keys will search radio
   frequences in steps from 50kHz to 50kHz.

2. Maintaining a long press on the **+** or **-** keys will
   rapidly search, without interuption, the frequency
   you desire.

5. Keybord Shortcuts

SET IDEAL:
Press simultaneously the **+** and **-** keys
to activate the ideal mode previously saved.

SAVE IDEAL:
Pressing simultaneously the **+** and **-** keys for 3 " will
save the ideal mode in memory (volume, equalization,
audio channel and station, if the channel is FM)
selected previously.

EQUALIZATION:
Pressing the **CH** key for 3 " allows you to select
with the **∧** and **∨** keys a pre-equalization mode
among the 12 available.

TIMER:
Pressing the **ON / OFF** key for 3 " allows you to set
an elapsed time with the **+** and **-** keys by which the
Control Unit will automatically switch to standby.

FM FORCED MONO:
Pressing the **CH** and **∧** keys simultaneously for 3"
allows you to activate/deactivate the MONO mode.

6. Wiring diagrams

**6.1 IN-WALL FM/DAB DISPLAY UNIT + IN-WALL BLUETOOTH AUDIO RECEIVER**

NOTE: For the correct performance of this installation the Volume jumper of the In-Wall Bluetooth must be in LOW and the L1 input of the FM/DAB display configured in PROF level.

8 ohm / 1,5W   8 ohm / 1,5W
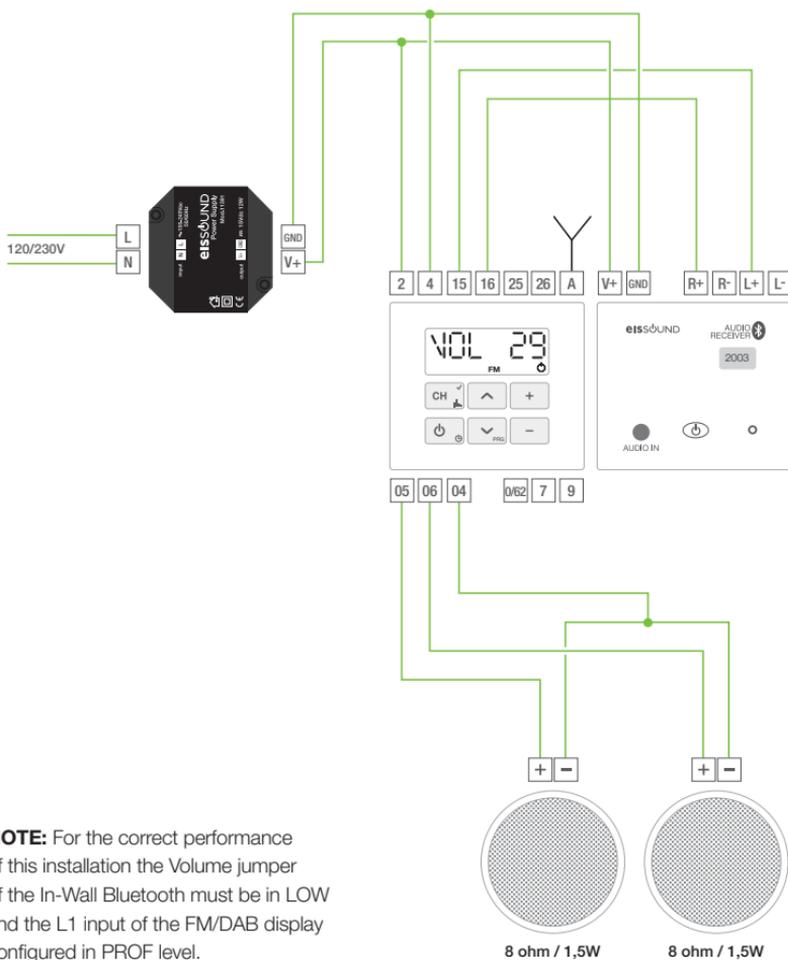
6.2 IN-WALL FM/DAB DISPLAY UNIT + AMPLIFIER (Ref. 13204)

120/230V

| L |
| N |

| GND |
| V+ |

| N | F |

| 2 | 4 | 15 | 16 | 25 | 26 | A |

VOL 29
FM

| CH ✓ | ∧ | + |
| ⏻ | ∨ PRG | − |

| R+ | R- | L- | L+ | | 65 | 66 | 4 | 62 | | 05 | 06 | 04 | | 0/62 | 7 | 9 |

| + | − |

| + | − |

8 ohm / 5W   8 ohm / 5W
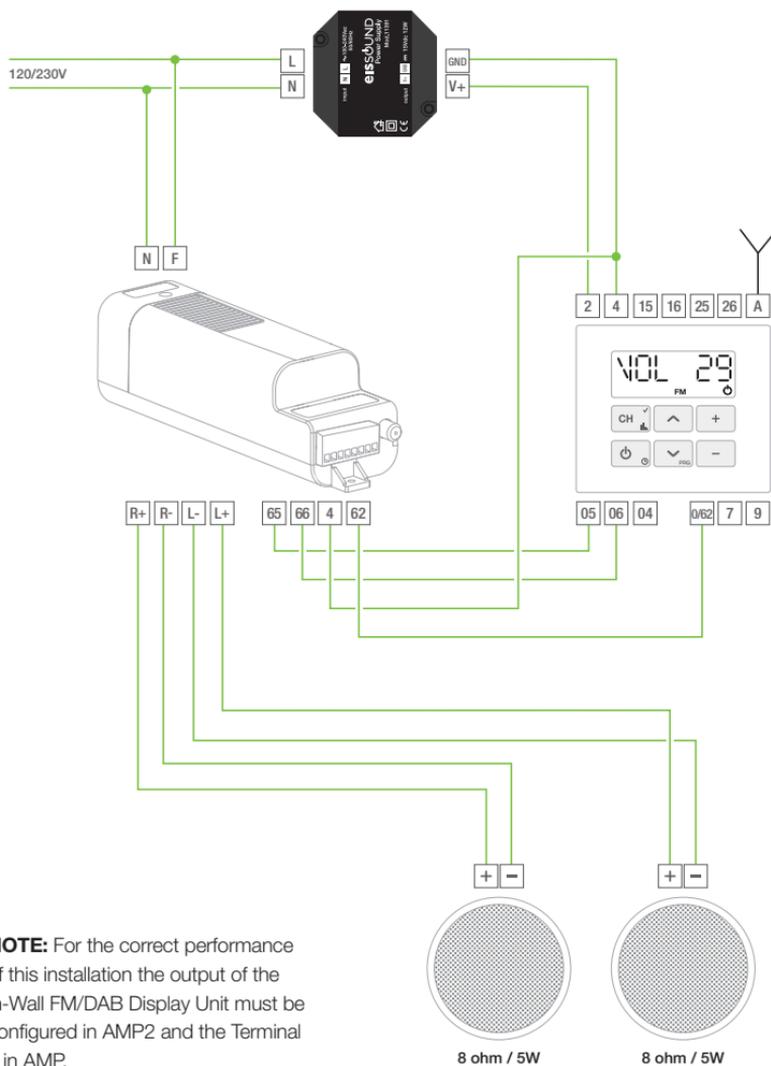
NOTE: For the correct performance of this installation the output of the In-Wall FM/DAB Display Unit must be configured in AMP2 and the Terminal 0 in AMP.

7. Annex 1

L1 = STEREO
Stereo audio input L1
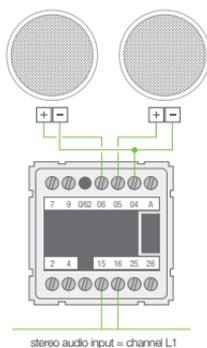
stereo audio input = channel L1

L1 = MONO
Two independent audio inputs:
L11 and L12
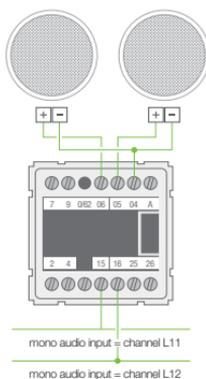
mono audio input = channel L11

mono audio input = channel L12

L1 = MIX
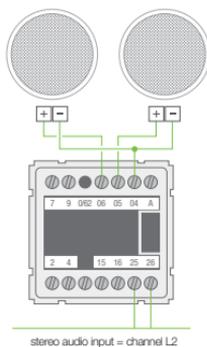Two independent audio inputs
(L11 and L12) mixed at the output
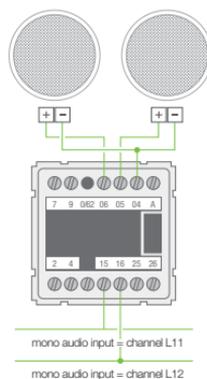
mono audio input = channel L11
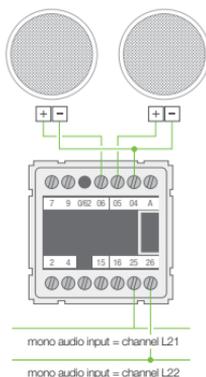
mono audio input = channel L12

L2 = STEREO
Stereo audio input L2

stereo audio input = channel L2

L2 = MONO
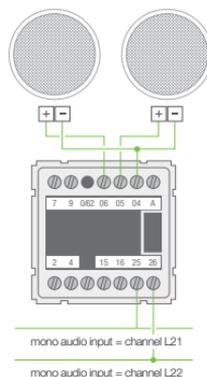Two independent audio inputs:
L21 and L22

mono audio input = channel L21

mono audio input = channel L22

L2 = MIX
Two independent audio inputs
(L21 and L22) mixed at the output

mono audio input = channel L21

mono audio input = channel L22

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KBSOUND

AENOR

ER

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Registrada

ER-0634/1998

CERTIFIED

IQNet

MANAGEMENT SYSTEM