Radio Music Video-telephone Intercom Audiozone

Technical parameters — LARA Radio

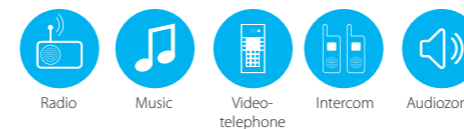| Internet Radio	
Supported data transfer formats:	mp3, ogg, acc
Control / Settings	
Front panel:	touchscreen buttons
Remote control:	IR remote control (part of supply)
Communication Ethernet:	via PC setting up and communicating SW LARA Configurator
Button RESET:	restart product / reset product to factory settings
Interface ethernet	
Communications interface:	10/100 Mbps
Connector:	RJ45
Max. cable length UTP with power:	50 m
Display	
Type:	color OLED
Resolution:	128 x 128 pixels
Visible surface:	26 x 26 mm
Power supply	
Supply:	POE 24 V DC/1.25 A
Min. input:	1.4 W
Max. input:	26 W (peak at maximum playback performance)
Amplifier	
Amplifier:	stereophonic class D with digital output control
Max. amplifier output:	2 x10 W/8 Ω
Inputs / Outputs	
Microphone:	NO
Audio input:	3.5 stereo jack
Audio output 1:	terminals LINE OUT (used for external amplifier)*
Audio output 2:	terminals OUT L/OUT R (speaker output from int. amplifier)
Connection	
Terminal block:	0.5 - 1 mm²
Other data	
Working temperature:	0 .. + 55 °C
Protection degree:	IP20
Overvoltage category:	II.
Pollution degree:	2
Installation:	in an installation box
Dimensions and weight:	
Dimensions:	
- plastic:	85 x 85 x 46 mm
- metal, glass, wood, granite:	94 x 94 x 46 mm
Weight:	209 g (plastic frame)

- A music and Internet radio player - all in the dimension of a switch and a luxurious LOGUS90 design.
- LARA Radio - when connected to the Internet, it can play streaming radio stations and you can store up to 40 of them. But you can also select from thousands of radio stations from across the globe, which provide data for correct connection.
- LARA Radio can play content from an external music source, which can be an smart phone or e.g. an MP3 player. These devices are connected to a 3.5mm stereo jack audio input, located underneath the front panel.
- LARA Radio can also play audio files from central data storage, onto which Logitech Media Server is installed. This LARA function can therefore be used within the complex iNELS system or as an entirely independent home automation device. When used within iNELS, control is a part of the complex application iHC. If using with NAS data storage, the application LARA NAS App is available.
- Touch control is performed on the device front panel (six capacity buttons available), or LARA Dio.
- The basic device settings (network connection, language, audio input) are performed via the display and a simple menu controlled from capacity buttons on the device front cover. Further settings (selection of stations, connection with the server, updating firmware, etc.) are configured via computer and the software LARA Configurator.
- LARA Radio is equipped with an OLED colored display with the size of 1.5". The display also shows basic information about playing music, which also serves the orientation in the menu settings, etc.
- LARA Radio has an integrated amplifier with 2x 10 W output, thus greatly facilitating device installation in places where such output suffices. LARA is used e.g. to provide premium sound to the kitchen, bathrooms, waiting rooms, offices, reception desks, entrance halls, operating rooms or wellness facilities.
- LARA is powered by PoE with maximum voltage level 27 V DC / 1000 mA. So connecting and communicating with just one cable (UTP) is a major advantage.
- For LARA, an entire series of accessories is ready for connection (PoE adapters, PoE switches), speakers (in a frame, walls or ceilings) and installation (cables, box, etc.).
- Complies with standards IEEE 802.3u (100BASE-Tx).
- Automatic cable crossing detection of Ethernet cable - MDIX.

Radio Music Video-telephone Intercom Audiozone

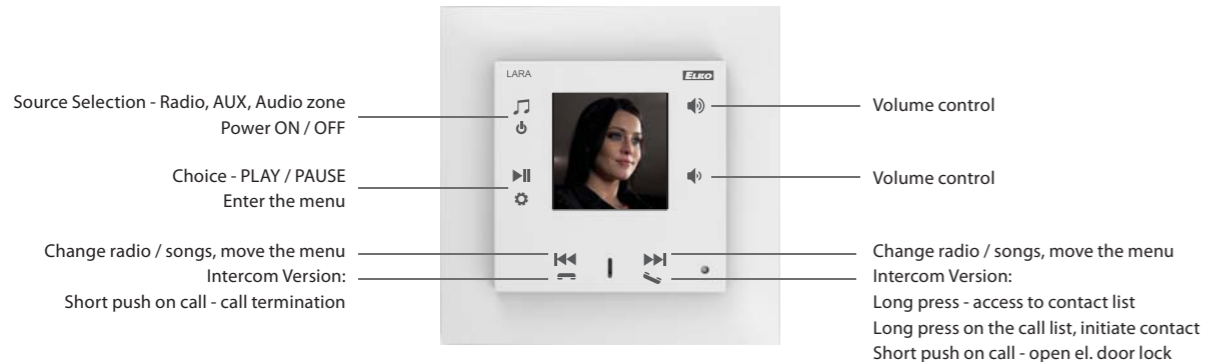## Technical parameters — LARA Intercom

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- LARA Intercom offers users 5 different functions and expands even more options to Lara Radio - music players and internet radio stations within the range of LOGUS90 switch designs.
- LARA Intercom provides an extra functionality and videophone intercom.
- Thanks to videophone function, now it is possible to have a voice communication between LARA and the sound of the door (IP Intercom), so with someone visiting and standing in front of the house, we can see that on LARA display as part of this function which increases the security feeling and safety besides of course, the comfort for the user.
- LARA Intercom is equipped with an OLED colored display with the size of 1.5", which is used to transfer images and sounds from the door camera properly. The display also shows basic information about playing music, which also serves the orientation in the menu settings, etc.
- The intercom function can also be used for communications between all the family members throughout the whole house, thanks to two way voice communications possibilities between differnt LARA units.
- LARA Intercom continues to offer three functions that are also supported by LARA Radio - when connected to the Internet, it can play streaming radio stations and you can store up to 40 of them. But you can also select from thousands of radio stations from across the globe, which provide data for correct connection.
- LARA Intercom can play content from an external music source, which can be an smart phone or e.g. an MP3 player. These devices are connected to a 3.5mm stereo jack audio input, located underneath the front panel.
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Touchscreen operation

Source Selection - Radio, AUX, Audio zone
Power ON / OFF

Choice - PLAY / PAUSE
Enter the menu

Change radio / songs, move the menu
Intercom Version:
Short push on call - call termination

LARA

Volume control

Volume control

Change radio / songs, move the menu
Intercom Version:
Long press - access to contact list
Long press on the call list, initiate contact
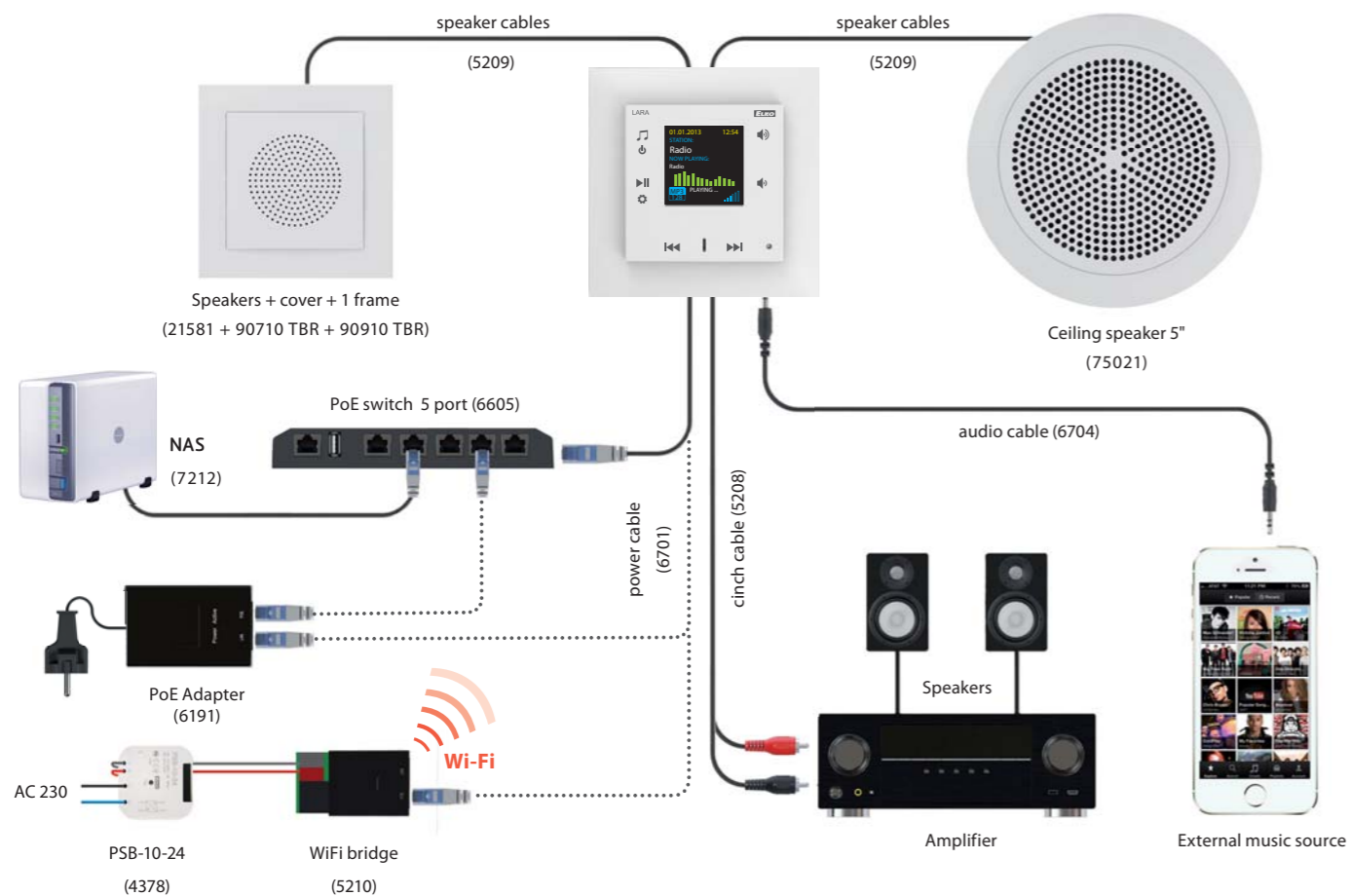Short push on call - open el. door lock

Applications control

Operations, using the application for, LARA Dio and iNELS Home Control for Android and iOS smartphones and tablets.

Android LARA Dio

Android LARA NAS

Android iHC-MA

iOS LARA Dio

iOS iHC-MI

Hlavni vchod

iOS iHC-TI

Android iHC-TA

Wiring example

speaker cables
(5209)

speaker cables
(5209)

Speakers + cover + 1 frame
(21581 + 90710 TBR + 90910 TBR)

LARA
01.01.2013 12:54
Radio
Radio
PLAYING...

Ceiling speaker 5"
(75021)

PoE switch 5 port (6605)

NAS
(7212)

audio cable (6704)

power cable
(6701)

cinch cable (5208)

PoE Adapter
(6191)

Wi-Fi

Speakers

AC 230

Amplifier

External music source

PSB-10-24
(4378)

WiFi bridge
(5210)

Speakers and cables
order code

AUX CABLE LARA (LARA CINCH CABLE)
Used to connect LARA with exter. amplifier. Reduction 4pin from LARA LINE OUT to 2x CINCH plug into amplifier, length 2 x 20 cm.
5208

POWER SUPPLY (PSB-10-24)
Switching stabilized power supplies with fixed output voltage, intended for mounting into an installation box (e.g. KU-68). PSB-10-24 - stabilized power supply 24V/10 W.
4378

AUX CABLE LARA (LARA AUDIO CABLE)
Used to connect LARA with external music source (smart phone mp3 player). The length is 20cm terminated with 2x stereo jack 3.5mm.
6704

CEILING SPEAKER
Speaker is suitable for the installation in suspended ceilings and hollow walls. Mounting hole diameter 143 mm, Power 8W, 32Ω speaker impedance.
75021 CBR

SURFACE SPEAKER
Two-way speaker intended for mounting in a ceiling or on the walls: Power 15W, 32 Ω speaker impedance, dimensions 270x183x37 mm. Color: White
75106 CBR

NAS EXTERNAL STORAGE
Two-chamber NAS server with the function of hosting, sharing and data security.
7212

NETWORK CABLE, 0.2 m
Flat white LAN cable CAT5, length 20 cm, terminated with 2x RJ45 plugs.
6702

NETWORK CABLE, 1 m
Flat white LAN cable CAT5, length 1 m, terminated with 2x RJ45 plugs.
6700

Power supply and network

WIFI BRIDGE
Used for LARA wireless connection via WiFi network.
5210

PoE SWITCH - 5x RJ45
Provides LAN connectivity and PoE power supply for up to 5 x LARA.
6605

PoE SWITCH - 8x RJ45
Provides LAN and connected PoE of up to 8x LARA. In addition to the 24V PoE also offers a 48V PoE for the power supply of 2N.
6606

Power sets

POWER SUPPLY PoE + WiFi INTO OR THE BOX
WiFi bridge with PoE and power supply into an installation box. Power supply 230V.
5224

POWER SUPPLY PoE INTO A BOX
PoE injector with power supply intended for an installation box. Power supply 230 V.
5226

PoE SUPPLY
Power injector with plug-in adapter 230V.
5225

POWER SUPPLY PoE + WiFi
WiFi bridge with PoE plug in adapter 230 V.
5227

Installation material
order code

1-FRAME — 90910 TBR

2-FRAME — 90920 TBR

3-FRAME — 90930 TBR

4-FRAME — 90940 TBR

5-FRAME — 90950 TBR

SURFACE MOUNT BOX — 10976 ABR

INSTALLATION BOX 1 GANG (KP 67/2) — 6705

INSTALLATION BOX 2 GANG (KP 64/2) — 6706

INSTALLATION BOX 3 GANG (KP 64/3) — 6707

INSTALLATION BOX 4 GANG (KP 64/4) — 6708

INSTALLATION BOX 5 GANG (KP 64/5) — 6709

INSTALLATION BOX 1 GANG (KP 64/LD) — 6710

INSTALLATION BOX 2 GANG (KP 64/2L) — 6711

INSTALLATION BOX 3 GANG (KP 64/3L) — 6712

INSTALLATION BOX 4 GANG (KP 64/4L) — 6713

INSTALLATION BOX 5 GANG (KP 64/5L) — 6714

UNIVERSAL BOX 1068-02 — 6716

UNIVERSAL BOX KUH 1/L NA — 6717

2N Helios IP Verso

2N Helios IP Base