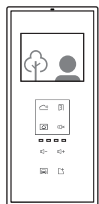


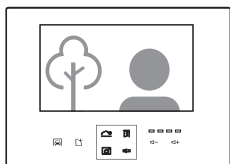
smart Audio



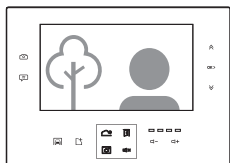
smart 3.5" Video



smart 7" Video



advanced 7" Video



USER MANUAL
Audio & video terminals
4 WIRE door system

EN

0 Contents

- 1 Safety instructions
- 2 Description of the **Touch Line** terminals
- 3 Recommended cables.
Installation of the **Touch Line** terminals.
- 4 Programming the addresses of the **Touch Line** terminals
- 5 Settings of the **Touch Line** terminals
- 6 Use of the **Touch Line** terminals
- 7 Use of the **Touch Line** outdoor panels
- 8 Maintenance
- 9 Declaration of conformity. Warranty.

1 Safety instructions



DO NOT power the product at 110 – 230 Va.c.!
DO NOT hit the glass screen with hard objects!
If the glass screen is broken, **DO NOT touch the product.**
Protect the products against lime and dust during renovation activities.

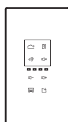


2 Description of the Touch Line terminals

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smart audio terminal
ATM.0S403.BLB(W)04



ABS case + chemically toughened glass

170x96x22 mm

0.3 kg

IP31

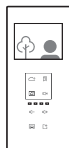
0°C ... + 45°C

Operating voltage: 11 ... 14 Vd.c.

Stand-by current: 14 mAd.c.

Operating current: 70 mAd.c.

smart 3.5" video terminal
VTM.3S403.BLB(W)04



3.5" LCD, TFT, 320 x (RGB) x 240

ABS case + chemically toughened glass

212x96x22 mm

0.4 kg

IP31

0°C ... + 45°C

Operating voltage: 11 ... 14 Vd.c.

Stand-by current: 11 mAd.c.

Operating current: 130 mAd.c.

smart 7" video terminal
VTM.7S403.BLB(W)04



7" LCD, TFT, 800 x 3(RGB) x 480

ABS case + chemically toughened glass

162x227x20 mm

0.8 kg

IP31

0°C ... + 45°C

Operating voltage: 11 ... 14 Vd.c.

Stand-by current: 9.8 mAd.c.

Operating current: 200 mAd.c.

advanced 7" video terminal
VTA.7S903.BLB(W)04



7" LCD, TFT, 800 x 3(RGB) x 480

ABS case + chemically toughened glass

162x227x20 mm

0.8 kg

IP31

0°C ... + 45°C

Operating voltage: 11 ... 14 Vd.c.

Stand-by current: 8.1 mAd.c.

Operating current: 260 mAd.c.

*B = Black; W = White

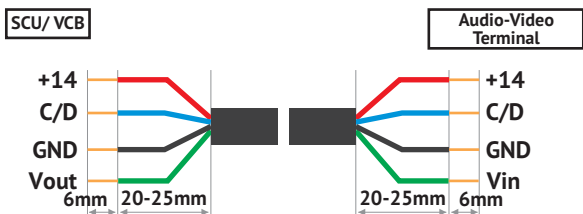
3.1 Recommended cables

4 WIRE Installation (standard)

- 4 wires x 0.5 mm² (type H03VV-F4G 0.5) for maximum 60 ml or another type of equivalent cable;
- 4 wires x 0.75 mm² (type H05VV-F4G 0.75) for maximum 100 ml or another type of equivalent cable;
- Generally, any type of 4-wire cable with a 0.5 mm section is accepted. **Telephone cables** type **TCYY - 2x2x0.5-24 AWG** (max. 30 ml); **TCYY - 3x2x0.5-24 AWG** (max. 50 ml); **TCYY - 4x2x0.5-24 AWG** (max. 50 ml) can also be used.

Note: If the cable has more than 4 wires, the additional wires will be connected the same as in the case of an **UTP cable**.

The **+14** and **GND** connections are equally supplemented with the additional wires.



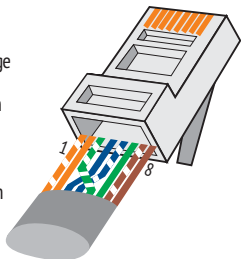
UTP cable Installation

- For distances between 100 ml and 150 ml it is mandatory to use the twisted pair cable type **UTP/ FTP cat5e (AWG24)** or **UTP/ FTP cat6 (AWG23)**.

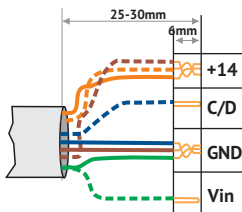
The connection of the audio-video terminals to the installation is done with a **RJ45 connector** or with screw connectors.

RJ45 connections (EIA 568B)

1. White-Orange
2. Orange
3. White-Green
4. Blue
5. White-Blue
6. Green
7. White-Brown
8. Brown



Screw connections

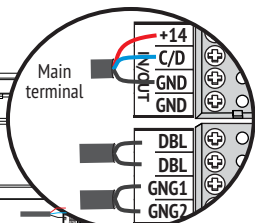


3.2 Installation of the audio terminal - ATM.0S403.BLB(W)4

STEP 1

1. Fasten the back case on the wall.
Recommended height H=135cm
2. Fasten the connectors on the back case.

STEP 2



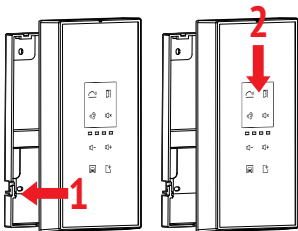
Make the connections in the connector fastened on the back case.

RJ45 connection

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STEP 3

1. Place the terminal front case with the fastened connectors over the back case.
2. Pull the terminal down until it interlocks.

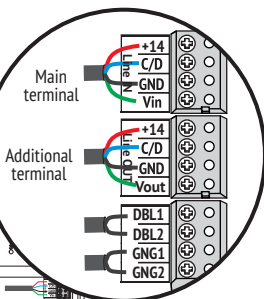


3.3 Installation of the 3.5" video terminal - VTM.3S403.BLB(W)4

STEP 1

1. Fasten the back case on the wall.
Recommended height H=135cm
2. Fasten the connectors on the back case.

STEP 2

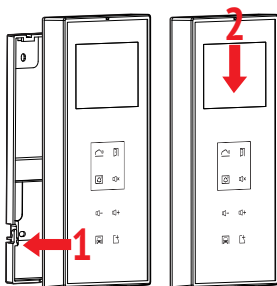


Make the connections in the connector fastened on the back case.

RJ45 connection

STEP 3

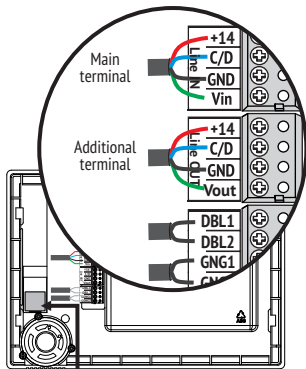
1. Place the terminal front case with the fastened connectors over the back case.
2. Pull the terminal down until it interlocks.



3.4 Installation of the 7" video terminal - VTM.7S403.BLB(W)04/ VTA.7S903.BLB(W)04

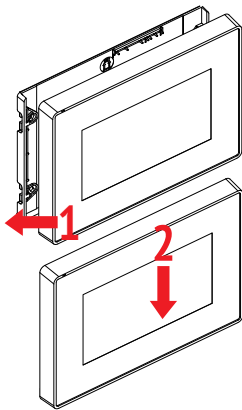
- STEP 1**
1. Fasten the back case on the wall.
Recommended height H=135cm
 2. Fasten the connectors on the back case.

- STEP 3**
1. Place the terminal front case with the fastened connectors over the back case.
 2. Pull the terminal down until it interlocks.



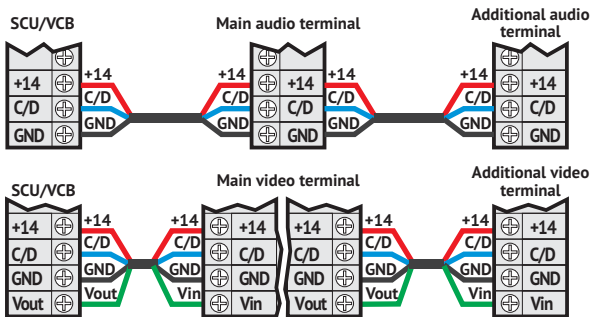
RJ45 connection

Make the connections in the connector fastened on the back case.

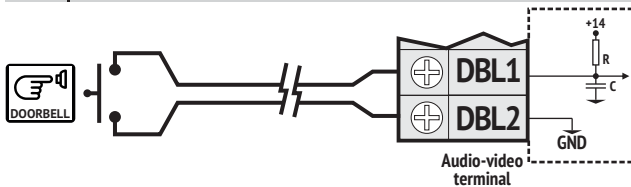


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3.5 Connection of the additional terminals

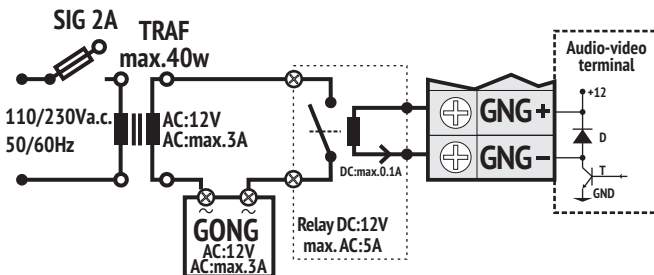


3.6 Connection of the doorbell



3.7 Connection of a GONG

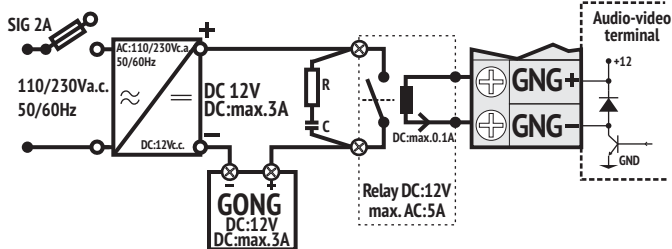
AC electromagnetic GONG



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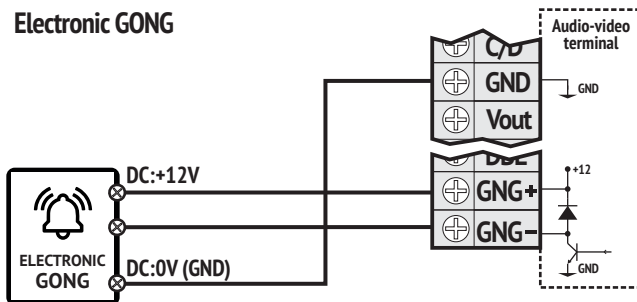
DC electromagnetic GONG



$$R = 4R7/2W$$

$$C = 220...470 \text{ nF} / 100...250V$$






Electronic GONG



4 Programming the addresses of the Touch Line terminals

The manual programming of the address of the terminal (apartment number/ family)

- All **Touch Line** terminals are programmed from the factory with **address 1**.
- The terminals from apartments with numbers from 2 to 9999 will be programmed with the number (address) of the respective apartment / family.
- The address of the terminals with numbers from 2 to 20 can be manually programmed, according to the following procedure:

0	The entire door system is installed and set under tension.
1	Go to the place where the SCU central unit of the installation is mounted. Long press (2-3 sec.) the PROG button. The red LED turns on.
2	Return to the terminal and long touch the  key. You will hear a long beep. <ul style="list-style-type: none">• Programming address 1: touch the  key once. A short beep is issued.• Programming address 2: touch the  key twice. Two short beeps are issued.• Programming address 3: touch the  key three times. Three short beeps are issued. Repeat the procedure for the next addresses, until 20. NOTE: After pressing the  key n times , wait a few seconds for the acoustic confirmation of the terminal for address n . The terminal will issue n beeps for address n programmed in the terminal.
3	Return to the SCU central unit of the installation. Press the PROG button for a short time. The red LED turns off. The installation returns to normal functioning mode.

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







For programming the **Touch Line** terminals installed in buildings with a high number of apartments (higher than 15), purchase the special terminal address programming device from the producer (PRG.TRM.001).

5 Settings of the Touch Line terminals

Standard settings of the producer:

1. Ringtone: Ding-dong (first in the list)
2. Call duration: 2 calls
3. Call volume: level 3 out of 4

5.1 1. CALL RINGTONE 2. CALL DURATION 3. CALL RINGTONE VOLUME

0	Long touch keys  -  simultaneously. The terminal enters settings mode and issues a long warning beep. You have 2 min. available for settings 1, 2 and 3.
1	CALL RINGTONE • The first ringtone. Touch the  key. Listen to the first ringtone. <ul style="list-style-type: none">• The second ringtone. Touch the  key again. The second ringtone will play.• For the third, the fourth and the fifth ringtone, repeat the procedure above.• The last played ringtone remains stored for the call.
2	CALL DURATION • The terminal rings only once. Touch the  key again. <ul style="list-style-type: none">• The terminal rings twice. Touch the  key for the second time.• The terminal rings three times. Touch the  key for the third time.• The terminal rings continuously for 1 minute. Touch the  key for the fourth time.• The last played version remains stored for call.
3	CALL RINGTONE VOLUME • Successively touch the  -  key, until you reach the desired volume of the ringtone. Each volume level, from 1 to 4, is signaled by an increase in the intensity of the selected ringtone and the corresponding white LED. <ul style="list-style-type: none">• The last played version remains stored for the call.
4	• The settings mode will automatically close after 7 sec. from the last action.

5.2 VIDEO IMAGE ADJUSTMENT








Video image adjustment (smart terminals)	This adjustment is made only if the brightness of the display does not correspond to the angle from which the video terminal is viewed. With the terminal in MONITORING mode, adjust the image with very small rotations of the brightness adjuster on the back of the terminal.
Video image adjustment (advanced terminals)	Shortly touch the OK > key to access the Menu . By another 2 successive short touches of the OK > key you reach the Display menu. Use the ↕ / ↖ keys to scroll and adjust Brightness, Chroma or Contrast . Press OK > to select the parameter and ↕ / ↖ to adjust the values. Select Exit to exit the Display menu.






5.3 TIME and DATE setting

Time&Date setting (advanced terminals)	Shortly touch the OK > key to access the Menu . By another 3 successive short touches of the OK > key you reach the Time&Date menu. Use the ↕ / ↖ keys to scroll and set Time or Date . Press OK > to select the parameter and ↕ / ↖ to adjust the values. Select Exit to exit the Time&Date menu.
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6 Use of the Touch Line terminals

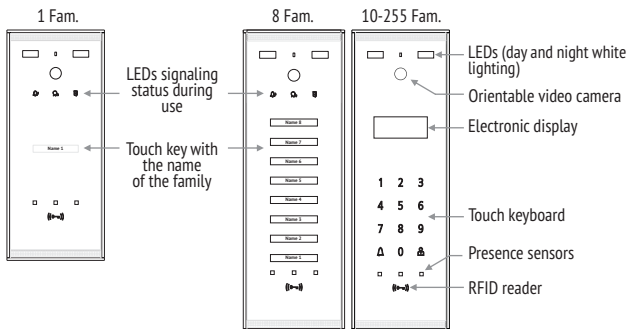
STAND-BY	The keyboard and the display are off.
CALL	When called from the outdoor panel, the terminal rings, the  key blinks and the video image of the visitor is displayed. When called from the doorbell of the residence (if connected), the terminal rings with the specific doorbell ringtone, set by the producer and the video display remains turned off.
	ANSWERING THE CALL + TALK Shortly touch the key to answer the call and initiate the talk, with a duration of max. 2 min. To end the call without granting access, shortly touch the key one more time.
	ACCESS The access can be granted: - in stand-by mode, by a long press of the key; - during call, talk or monitoring, by a short touch of the key. The access is signaled acoustically, with a confirmation song and the terminal remains on for 15 more sec.
	AUDIO MONITORING (audio terminals) In stand-by mode, shortly touch the key to open the audio monitoring, with bidirectional talk and duration of max. 15 sec.
	AUDIO-VIDEO-MONITORING (video terminals) In stand-by mode, shortly touch the key to open the audio-video monitoring, with bidirectional talk and duration of max. 15 sec.
	MUTE In stand-by or during call, shortly touch the key to turn off the ringer. The silent mode (Mute) is signaled visually by the permanent red LED. The call will be signaled only by the blinking  key and video image. For reversing silent mode, shortly touch the key one more time.

  - 	<p>TALK VOLUME ADJUSTMENT By successive short touches of the keys, you can adjust the volume in 4 levels. The selected volume level is signaled visually by the corresponding white LED.</p>
	<p>AUX 1 The first additional command is opened: - in stand-by mode, by a long press of the key; - during call, talk or monitoring, by a short touch of the key. The command is signaled acoustically, with a confirmation song and the terminal remains on for 15 more sec.</p>
	<p>AUX 2 The second additional command is opened: - in stand-by mode, by a long press of the key; - during call, talk or monitoring, by a short touch of the key. The command is signaled acoustically, with a confirmation song and the terminal remains on for 15 more sec.</p>

Only for advanced 7" video terminals

	<p>INTERCOMMUNICATION Shortly touch the key to initiate the calling of the terminals connected in parallel. At the called terminals, shortly touch the  key (advanced) or  (smart). The intercommunication starts between the initiator terminal and the one of which were answered, for max. 1 min. To end the intercommunication, shortly touch the key one more time. <i>* The intercommunication cannot be initiated from the smart terminals connected in parallel, it can only be received.</i></p>
	<p>PICTURE TAKING At each call from the outdoor panel, the terminal automatically stores the picture of the visitor. Shortly touch the key to take additional pictures, any time during call, talk or monitoring. <i>* The terminal can store maximum 100 pictures, and when the memory is full, the oldest pictures are deleted, on the First In – First Out principle.</i></p>
<p>OK ></p>	<p>MENU ACCESS Shortly touch the key to access the display menu, in order to view/delete pictures, display and Time-Date settings.</p>
<p> / </p>	<p>MENU SCROLLING and VALUES ADJUSTMENT</p>
<p>VIEW/ DELETE PICTURES</p>	<p>Shortly touch the OK > key to access the Menu. By another 4 successive short touches of the OK > key you reach the Pictures menu. Use the  /  keys to scroll through Pictures View or Delete all. Press OK > to select the parameter. In Pictures View scroll with  /  to visualize the pictures. In Delete all, press OK > to delete all the pictures. Select Exit to exit the Pictures menu.</p>

7 Use of the Touch Line outdoor panels



1. STAND-BY. The keys with the names of the residents/ the call keyboard are off.

The red LED blinks and signals the possibility of video monitoring.

2.1. CALL + TALK + ACCESS from outdoor panels with individual keys.

The keyboard turns on when a person approaches the panel less than 1m away. Touch the key corresponding to the name of the family you are looking for.

The panel signals the call acoustically, with a beep sequence and visually – video camera LEDs and LED on. The call lasts max. 1 min. Each touch of the key reinitiates the call. If the resident answers, the talk mode is activated – LED on. The conversation is hands-free, with a duration of max. 2 min. If the resident grants the access, it is commanded the opening of the door/ gate and the panel signals acoustically, with a confirmation beep sequence and visually – LED on. The door/ gate remains open max. 8 sec.

2.2. CALL + TALK + ACCESS from outdoor panels with keyboard and display.

The keyboard turns on when a person approaches the panel less than 1m away. Use the keyboard to dial the number of the desired apartment (max. 4 digits). The panel signals the call acoustically, with a beep sequence. The video camera LEDs turn on, the key turns red and the following message appears on the display: ①

Calling: ①
Name1
To abort dial
Press

The call lasts max. 1 min. To search the apartment number in the electronic list, successively touch the key: ②

1:Name1 ②
2:Name2
3:Name3
- Next page

If the resident answers, the talk mode is activated. The key turns green and the following message appears on the display: ③

SPEAK! ③

The conversation is hands-free, with a duration of max. 2 min. If the resident grants the access, it is commanded the opening of the door/ gate and the panel signals acoustically, with a confirmation beep sequence.

The following message appears on the display: ④

ACCES GRANTED ④

The door/ gate remains open max. 8 sec.

3. RFID card ACCESS.

Approach the RFID card to the area marked with the symbol. It is commanded the opening of the door/ gate and the panel signals acoustically, with a confirmation beep sequence. At the outdoor panels with individual keys, the LED turns on. At the outdoor panels with keyboard, the following message appears on the display: ④

The door/ gate remains open max. 8 sec.

- The **Touch Line** audio-video terminals must be kept away from water, lime or any liquid substances, blows, fumes, powders, dust etc.
- The **Touch Line** outdoor panels must be kept away from corrosive substances, lime and blows.
- For cleaning the glass screens, use a clean cloth and a solution for glass washing.
- In case of renovation activities, the **Touch Line** video door system components must be completely protected with plastic foil.
- DO NOT undo the electrical connections of the **Touch Line** video door system components.
- DO NOT short-circuit the electrical connections of the **Touch Line** video door system components.

The manufacturer ELECTRA s.r.l. declares that:

- The products are in compliance with the harmonized legislation of the European Union regarding the directives: Low Voltage (LVD) 2014/35; Electromagnetic compatibility (EMC) 2014/30/EC; RoHS 2011/65/EC.
- The following harmonized standards and technical specifications have been applied: SR EN 60950-1:2006 + A1:2011 + A2:2014 + A11:2009 + A12:2014 + AC:2011 + C91:2010; SR EN 55022:2011 + AC:2011; SR EN 55024:2011 + A1:2015; SR EN 61000-3-2 2015; SR EN 61000-3-3:2014.
- The products do not threaten life, health, work safety, do not have any negative effect on the environment and have been produced under the ISO 9001:2015/ ISO 14001:2015 Quality and Environment Management System certified by TÜV HESSEN.



Warranty

1. A 24-month warranty is granted, according to the existing legislation, based on the purchase document.
2. Warranty is granted for non-conformity and/or hidden defects.
3. Warranty is NOT granted for:
 - Missing purchase documents;
 - Incorrect installation, non-compliant with this manual (e.g.: wrong supply voltage);
 - Incorrect operation, non-compliant with this manual (e.g.: wrong settings);
 - Broken glass and/or other damage, blows, mechanical shocks;
 - Theft, fire, floods, natural disasters;
 - Unprotected product during renovation activities;
 - Use of the product in systems that require different performance parameters from the ones provided by the technical specifications in this manual;
 - The RFID access cards (tags), which are considered consumables.

For complaints during the warranty period, please contact the company from which you have purchased the product.

SUPPORT**ELECTRA Building Communications GmbH**

Bischoffgasse 5/3-4,
1120 Wien - **AT**



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 www.electra.ro

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BELLCOME/ELECTRA products are registered as Industrial Models - EUIPO - Alicante, Spain

The products are
CE certified.



Certificate by
 709 

The products contain UL-compliant
printed circuit boards.



Certificate no. E307311

The products are manufactured under
Quality and Environment Management System

ISO 9001:2015
ISO 14001:2015

Certificates no. 73 100 4856, 73 104 4856
by TÜV HESSEN