



Art. 69DM

DIGIBUS – ELVOX TWO-WIRE INTERFACE

INSTALLATION AND OPERATION MANUAL

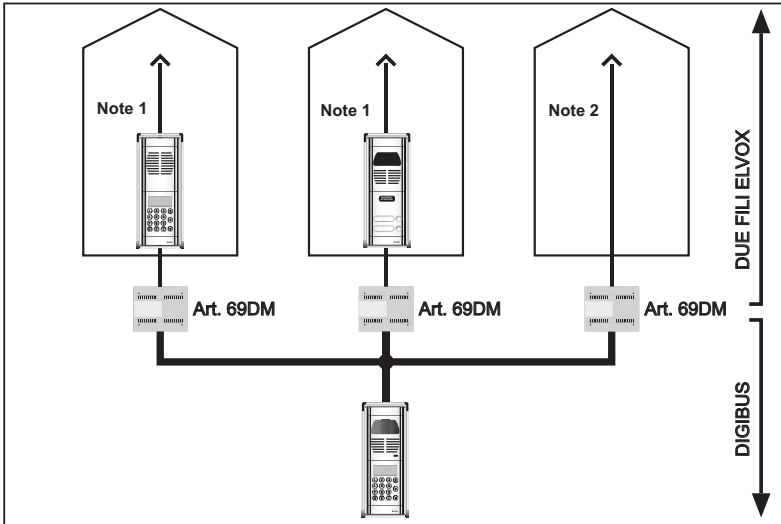


Product is according to EC Directive 2004/108/CE, 2006/95/CE and following norms.



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Fig. 1



Note 1:
 If in a "TWO WIRE" riser there is no "Master" entrance panel, the interphones/video interphones must be configured with programmer type 950C, or with a temporary Master entrance panel. For convenience, with the temporary entrance panel it is possible to use the software Save Prog (type 69CD) for PC by using the interfaces types 692I or 692I/U.

Note 2:
 The interface can be present in a "TWO WIRE" riser also without entrance panel.

GENERAL

Article 69DM is an interface for coupling a DigiBus backbone and an ELVOX TWO-WIRE wiring pillar via 2 separate inputs.

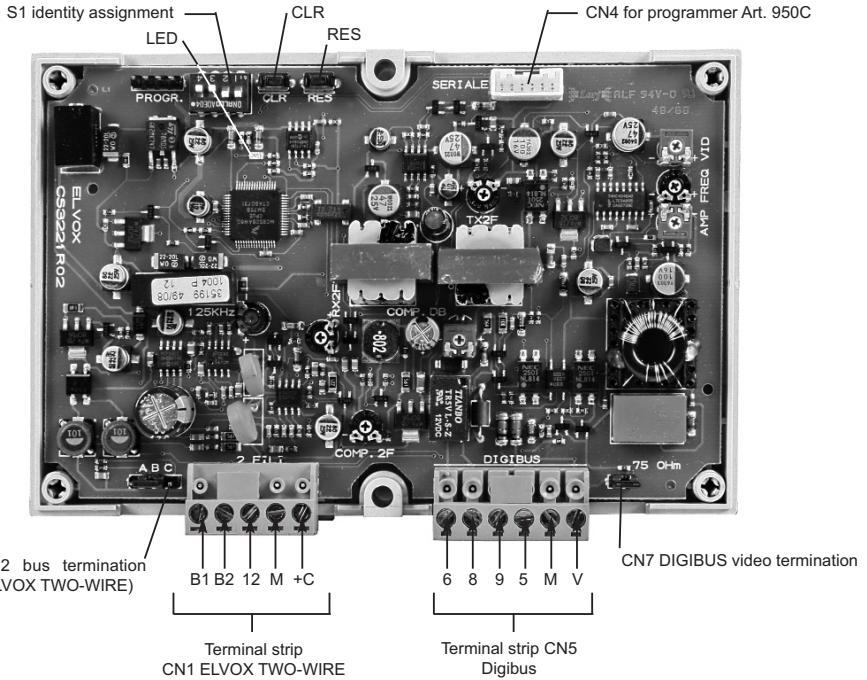


Fig. 2

The ELVOX TWO-WIRE system is connected to the interface's CN1 terminal strip. Associations can be made for individual audio or video entry systems up to complete building complexes. The ELVOX TWO-WIRE system must be autonomously powered with power supplied by the relevant devices. The DigiBus system is connected to the interface's CN5 terminal strip. No power supply is needed. The 69DM interface must be assigned an identity on DIP-switch S1 (fig. 2).

There is not a theoretical limit to the maximum number of 69DM that can be connected to the DigiBus side. For 2-Wire side every 69DM identifies a single system. So it is possible to give the same ID to all interfaces. We suggest to assign the ID 15, selecting the ON position on the DIP switch S1 (TAB. 1). On the contrary it doesn't make sense to link two 69DM on the same 2-Wire riser. The DIP switch allows to assign a unique ID as it happens for entrance panels.

As with ELVOX TWO-WIRE entrance panels, the interface's hardware lets you program a unique physical (hardware) identity code. Unlike ELVOX TWO-WIRE entrance panels, the 69DM interface cannot be assigned the identity 1 because it is not a master entrance panel (see Table 1).

2. ELECTRICAL INSTALLATION

The interface connects to the ELVOX TWO-WIRE system via the CN1 terminal strip on the bottom left of the unit.

TERMINAL STRIP CN1

MARKING	DESCRIPTION
B1, B2	ELVOX 2-WIRE BUS
12	Output +12V max 100 mA always present
M	Reference ground for 12 and +C
+C	Output +12V max 100 mA, present only when interface is active

The pull-out terminal strip on the DigiBus side is marked as follows.

TERMINAL STRIP CN5

MARKING	DESCRIPTION
6	Data line
8	Audio line
9	Data/audio ground
5	N.C.
M	Video ground
V	Video, coax cable core

3. RESETTING

Proceed as follows if you ever need to restore the factory default settings.

1. Press and hold the RES button at the top left of the unit.
2. Press and hold the CLR button at the top left of the unit next to the RES button.
3. Hold down the CLR button while releasing the RES button.
4. When the green LED starts to flash, release the CLR button too.
5. The reset is complete when the green LED starts flashing more slowly.

4. HARDWARE CONFIGURATION

Throughout this manual, component locations are described with the interface positioned with the CN1 terminal strip at the bottom left.

4.1. SIGNALLING (Led)

The green LED located under the DIP switch at the top left functions as follows:

1. The LED flashes rapidly when a reset is being performed, when the unit is switched on for the very first time, and following the reset procedure described in section 3.
2. The LED flashes slowly when the interface is inactive.
3. The LED remains lit when the interface is active or busy with a call.

4.2. BUS TERMINATION

Connector CN2 is located at the bottom right of the interface, to the right of the CN5 terminal strip. Fit a jumper over any of the three positions A-B-C to terminate the video signal on the ELVOX TWO-WIRE bus. Try the jumper in all positions to find the one that gives the best video quality.

















4.3. VIDEO TERMINATION

When jumper CN7 is fitted, it provides a 75 Ohm termination for the video signal on the DigiBus side.

4.4. IDENTITY ASSIGNMENT

Device identity is assigned on DIP switch S1 at the top left of the interface. Only identities between 2 and 15 can be assigned.

TAB. 1

	DIP SWITCH				ENTRANCE PANEL ID		DIP SWITCH				ENTRANCE PANEL ID
	1	2	3	4			1	2	3	4	
					NOT ASSIGNED					ON	8
	ON				NOT VALID		ON			ON	9
		ON			2			ON		ON	10
	ON	ON			3		ON	ON		ON	11
			ON		4				ON	ON	12
	ON		ON		5		ON		ON	ON	13
		ON	ON		6			ON	ON	ON	14
	ON	ON	ON		7		ON	ON	ON	ON	15

5. SOFTWARE CONFIGURATIONS

With the exclusion of the interface's ID assignment, the 950C programmer is required to perform all other configurations. The programmer is connected to connector CN4 at the top right of the unit, accessible from outside the cover. As an alternative you can also use interfaces 692I or 692I/U and SaveProg PC software (Art. 69CD). The following parameters are configurable:

TAB. 2

PARAMETER	DEFAULT	NEXT ITEM	PREVIOUS ITEM	SUB-ITEM
Language	Italian (or local language)			
Number of code digits	8			
Initial number	Blank			
Final number	Blank			
Device numbering	Blank		200 x	
Number of ring tone cycles	2			
Common lock release	Blank		4 x	
Common F1	Blank		4 x	
Common F2	Blank		4 x	
Function enabling/disabling	Blank		204 x	

The keys on the programmer are arranged as follows.



The key serves no purpose when the programmer is powered from the bus. There is no auto-shutdown function for the same reason. Press the and keys on the programmer to move to the following item in the main menu.

```
Select Function:
Terminal Mode
```

The following screen is displayed while waiting for the response from the interface:

```
Entering
Terminal Mode
```

After a few seconds, the type and version of the interface software appear on the programmer display:

```
Program: 69DM OK
GG/MM/AA SW 000
```

When this screen disappears, the first item in the programming menu is displayed. The programming procedure terminates ei-

ther when timed out or if you press the key from any of the main menu items listed below.

5.1. LANGUAGE

```
Lingua Messaggi
Italiano
```

The interface can be programmed to display messages in Italian (or the local or default language) or English. Local languages vary according to the national market. To select your language, simply press for the local language or for English.

```
Lingua Messaggi
Inglese
```

Press to cancel. Press to confirm. As with all commands, implementation is confirmed on the first line of the display.

```
Done!
Inglese
```

The display language now changes.

```
Entering
Terminal Mode
```

Press to move on to the next item in the programming menu.

5.2. NUMBER OF CODE DIGITS

Press to move to the next menu item and change the number of code digits used by the entrance panel.

Code Digits No.
8

The available numbering modes are:

- 4 digit coding: the monitors and door entry systems are numbered from 0000 to 9999. If you enter less than 4 digits, they align on the right of the display, and any blank spaces to the left are filled with '0's.
- 8 digit coding: the monitors and door entry systems are numbered from 00000000 to 99999999. If you enter less than 8 digits, they align on the right of the display, and any blank spaces to the left are filled with '0's. To change the number of digits used, press:

for 4 digits 4 Code Digits No.

for 8 digits 8 Code Digits No.

Press to cancel. Press to confirm. As with all commands, implementation is confirmed on the first line of the display.

Done!
4

Press to move on to the next item in the programming menu.

5.3. INITIAL NUMBER

Press to move to the next item and change the initial number in the DigiBus numbering range accepted by the interface: This parameter is left blank by default.

Start Number

Press to modify the number.

Start Number

Press to cancel the last digit. As soon as you enter a new digit, the previous number is cancelled.

Start Number
1234567

Press to cancel. Press to confirm.

Check Other
12345678

As the example shows, if any problem is encountered with the order of the numbers in the first line, you are warned to check their correctness. See section 6 for details on how this parameter is used. Press to move on to the next item in the programming menu.

5.4. FINAL NUMBER

Press to move to the next item and change the final number in the DigiBus numbering range accepted by the interface. This parameter is left blank by default.

End Number

Press to modify the number.

End Number

Press to cancel the last digit. As soon as you enter a new digit, the previous number is cancelled.

End Number
1234567

Press to cancel. Press to confirm. If you enter fewer than the 4 or 8 digits required, any blank spaces to the left are filled with '0's.

Check Other
12345677

As the example shows, if any problem is encountered with the order of the numbers in the first line, you are warned to check their correctness. See section 6 for details on how this parameter is used. Press to move on to the next item in the programming menu.

5.5. DEVICE NUMBERING

Press to move to the next item and change the correspondence between individual DigiBus numbers and the identities of each audio or video door entry system.

Device Number

If a number is displayed, it means that the audio or video door entry system in question (number 1 in the example shown here) is not yet associated, and that the rules given in section 6 therefore apply.

Press and to select the device to change. In position

1, press to move on to the next item in the programming menu. Alternatively, enter the number of the device you want to change.

Enter device ID
45

Now press .

Device Number 45
1500

The first line of the display tells you if any discrepancy is detected.

Out of Range
888

Press to skip all intermediate steps and return directly to

the previous item in the programming menu. Press to change the number.

Device Number 45

To cancel the number, simply enter '0'.


Device Number 45
0

Then press .

```
Done!
0000 Device Number 45
```

To enter a number, simply key in the relevant digits.

```
Device Number 45
789_
```

Press  to delete the last digit.

```
Device Number 45
78_
```

If you enter fewer than the 4 or 8 digits required, any blank spaces to the left are filled with '0's.


```
Device Number 45
0000
```

Press  to cancel. Press  to confirm. The programmer now checks that the number entered is not already associated with another position.

```
Code 7856
in use by 99
```

If it is, you are notified as follows. In this example you are warned that the code 7856 is already associated with the device identity 99. If no clashes are found, implementation of the change is confirmed on the first line of the display.





```
Done!
7856
```

Press  to delete all numbers starting from the location of the current value.

```
1=Reset Numbers
```

You are asked to press  to confirm.

```
1=Reset Numbers
YES
```


then , Press  or with   to cancel the procedure. If you choose to proceed with the number reset, the display reads out:

```
Please wait...
```

Then, finally:

```
Done!
Please wait...
```



5.6. NUMBER OF RING TONE CYCLES

Press  to move to the next item and change the number of ring tone cycles sent by the interface to the ELVOX TWO-WIRE wiring pillar. Ring tones follow a rhythm of 1 second of sound to 2 seconds of pause, so that each complete cycle lasts 3 seconds. The figure shown is the current setting:


```
Ring Cycles Num.
1
```

Enter a new number to change the number of cycles:


```
Ring Cycles Num.
5
```

Press  to cancel. Press  to confirm. As with all commands, implementation is confirmed on the first line of the display.

```
Done!
5
```

Press  to move on to the next item in the programming menu.

5.7. COMMON LOCK RELEASE

Press  to move to the next item and program what lock actions the interface must notify DigiBus of. In practice the lock release output of the DigiBus entrance panel downstream can be activated either by a direct command or indirectly, if the lock of another ELVOX TWO-WIRE entrance panel (up to a maximum of four) is released. This parameter is left blank by default.

```
Common Lock
Not Assigned
```

Enter a number between 1 and 15, being the ID of the entrance panel (in this case the first of four possible choices) to whose lock release the interface must respond.



```
Common Lock
5
```

Press  to cancel. Press  to confirm. As with all commands, implementation is confirmed on the first line of the display.

```
Done!
5
```

The display warns you if the value you enter is out of range.

```
Out of Range
66
```


Enter 0 as the ID to cancel assignment. Press  and  to move between one identity and another. In position 1, press

```
Down Arrow
```

to move on to the next item in the programming menu.

Press  to skip all intermediate steps and return directly to the previous item in the programming menu.



5.8. F1 COMMON

Press  to move to the next item and program what lock actions the interface must notify DigiBus of. In practice the F1 output of the DigiBus entrance panel downstream can be activated either by a direct command or indirectly, if the F1 output of another ELVOX TWO-WIRE entrance panel (up to a maximum of four) is activated.

```
Common F1
Not Assigned
```

This parameter is left blank by default. Enter a number between 1 and 15.

```
Common F1
5
```

Press  to cancel. Press  to confirm. As with all commands, implementation is confirmed on the first line of the display.

```
Done!
5
```

The display warns you if the value you enter is out of range.

Out of Range
66

Enter 0 as the ID to cancel assignment. Press and to move between one identity and another. In position 1, press to move on to the next item in the programming menu.

Press to skip all intermediate steps and return directly to the previous item in the programming menu.

5.9. F2 COMMON

F2 Press to move to the next item and program what other F2 actions the interface must notify DigiBus of. In practice the F2 output of the DigiBus entrance panel downstream can be activated either by a direct command or indirectly, if the F2 output of another ELVOX TWO-WIRE entrance panel (up to a maximum of four) is activated. This parameter is left blank by default.

Common F2
Not Assigned

Enter a number between 1 and 15.

Common F2
5

Press to cancel. Press to confirm. As with all commands, implementation is confirmed on the first line of the display.

Done!
5

The display warns you if the value you enter is out of range.

Out of Range
66

Press and to move between one identity and another. In position 1, press to move on to the next item in the programming menu. Press to skip all intermediate steps and return directly to the previous item in the programming menu.

5.10. FUNCTION ENABLING/DISABLING

Press to move to the next item and program how the interface must enable/disable the commands it receives from each device. You can configure one interface so that they do not respond to lock release or F1 or F2 commands. You can also program the interface to command allow activation only by certain audio or video door entry systems. To minimise the number of programming steps, if the interface has at least one common lock release programmed, these menu items act as enabling functions. If the interface has no common lock release programmed, these menu items act as disabling functions. The same applies to the F1 and F2 functions. Since common lock releases are normally used in sites like residential complexes, the logic is designed so that programming one common lock release and enabling only those users on the same staircase requires the least amount of work.

Dis./Enable

This parameter is left blank by default. The absence of any programming is shown by a series of dashes "-----". Press

and to change the identities of the monitor or door entry system. Alternatively enter the number of the monitor or door entry system, from 1 to 200.

Enter device ID
5

Press to cancel. Press to confirm.

Dis./Enable
D1-----

Press to change the programming of the selected audio or video door entry system, starting from the position of the current value.

Dis./Enab. for
D1-----

The correspondence between codes and keys is as follows.

PROGRAMMING	CODE	KEY
Lock	Se	
F1	F1	
F2	F2	

Pressing the keys alternately toggles the corresponding function on and off. For example, to add only F1, press and (or vice-versa).

Dis./Enab. for
F1-----

Press to cancel. Press to confirm. As with all commands, implementation is confirmed on the first line of the display.

Done!
F1-----

Press to skip all intermediate steps and return directly to the previous item in the programming menu.

6. NUMBER CORRESPONDENCE

The ELVOX TWO-WIRE system uses an audio/video door entry system numbering scheme based on the physical address of each device, and ranging from 1 to 200. This applies irrespective of the fact that there are two numbering modes: (up to) 4 and (up to) 8 digits. The DIGIBUS system on the other hand identifies audio/video door entry systems by means of an address of 4 digits (up to 9,999) or 8 digits (up to 99,999,999). There are various ways of getting these two quite different systems to work together.

1. We can remap only those DIGIBUS numbers needed to enter the DIGIBUS 4 or 8 digit code in the position in the table described in section 5.5 and corresponding to the ELVOX TWO-WIRE number intended. It is irrelevant whether we encode the ELVOX TWO-WIRE audio-video door entry system first or complete the table first.
2. The programming described in sections 5.3 and 5.4 defines a range of DIGIBUS numbers corresponding at the most to the physical numbers 1 to 200.

If the position in the table in section 5.5 corresponding to the caller is programmed, the address contained in it is used for messages from the ELVOX TWO-WIRE system to the DigiBus. If the initial number has been programmed, the calling DigiBus address takes this number, adds the ELVOX TWO-WIRE address and subtracts 1. For example, if the initial number is 1234 and the ELVOX TWO-WIRE address is 79, the DigiBus address used is $1234 + 79 - 1 = 1312$. In other cases the message is not forwarded to the DigiBus network. Reference to the table in section 5.5 is also made to forward messages coming into the ELVOX TWO-WIRE system from the DIGIBUS network. 5. If the number is found in the table, the corresponding index is used as destination. Otherwise the initial and final numbers are evaluated and set respectively to 1 and 200 if not programmed. If the DigiBus number falls within the interval between the initial and final numbers inclusive, the ELVOX TWO-WIRE address takes this number, subtracts the initial number and adds 1. For example, if a call arrives for 1312, then $1312 - 1234 + 1 = 79$. In other cases the call is not forwarded to any destination.

7. FUNCTION CORRESPONDENCE

The ELVOX TWO-WIRE system's F1 and F2 commands are translated into the corresponding DigiBus F1 and F2 commands. The first 6 actuators are translated as F3, F4, ..., F8.

8. FUNCTIONING WITH SWITCHBOARD

Proceed as follows to perform the basic functions when using the interface in conjunction with the DigiBus 945B switchboard.


8.1. CALLS FROM ENTRANCE PANEL

- The switchboard operator receives the call.
- He speaks with the external speech unit.
- He calls the internal number required by pressing the



button on its own or by entering the number on the keypad and then pressing




- He presses  to connect the entrance panel and the internal user.

8.2. INTERCOMMUNICATING CALLS VIA THE SWITCHBOARD

Two internal users on the same ELVOX TWO-WIRE system can call each other by means of a specially programmed button. They can also, however, ask the switchboard operator to put them in touch. The steps required to do this are as follows.

- The switchboard operator receives a call, makes a call directly, or takes a call from the queue.
- When the first user answers, the operator then enters the

number of the second user, and calls him by pressing .

The first user enters wait status and the second user system rings and waits for a reply.

- As soon as the second user replies, the operator presses



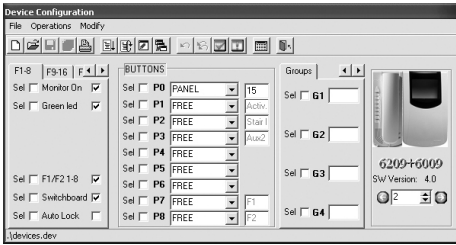
to place the two users in communication.

9. DOOR LOCK TYPICAL CONFIGURATION

9.1 WITHOUT 2-WIRE ENTRANCE PANELS

In this case the P0 push button (door lock function) of every monitor or interphone device, has to be programmed into the 69DM. If, as suggested before, every 69DM of the system was identified by ID 15, the programming procedure is the same for every devices.

Device 1
P0=L 15



Nel caso si fossero usati ID diversi, si dovrà usare montante per montante l'ID della rispettiva interfaccia, 15 nell'esempio.

9.2 WITH 2-WIRE ENTRANCE PANELS

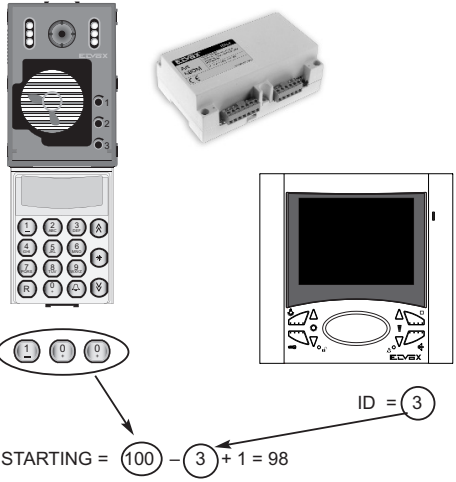
It is not important if the 2-Wire entrance panel is master or slave. If you want to open the local door lock together with the main door lock, you have to remember to assign the common door lock with the same ID of the 69DM. The P0 bush buttons have to be programmed like the previous paragraph.

10. TYPICAL CALL CONFIGURATION

10.1 HOW TO SET STARTING AND FINAL NUMBERS (PARAGRAPHS 5.3 AND 5.4)

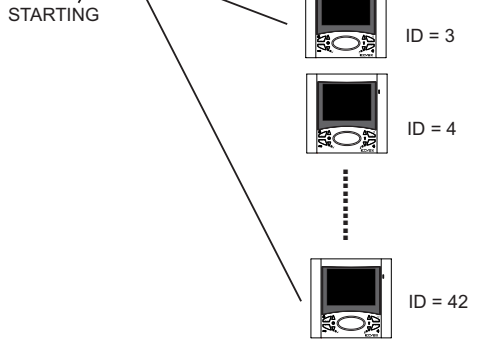
For example think we have set the riser's ID interphones starting from 3 till 42 (this is because it is not necessary to start from 1). For example think we have an entrance panel type

1287 with which we want to call interphone ID 3 with $\text{1} \text{0} \text{0}$ and interphone 4 with number $\text{1} \text{0} \text{1}$ and so on. We have to set the STARTING NUMBER described on paragraph 5.3 as:



The FINAL NUMBER described on paragraph 5.4 is:

$$\text{FINAL} = 98 + 42 - 3 = 137$$



So in STARTING NUMBER we program 98 and in FINAL NUMBER 137.

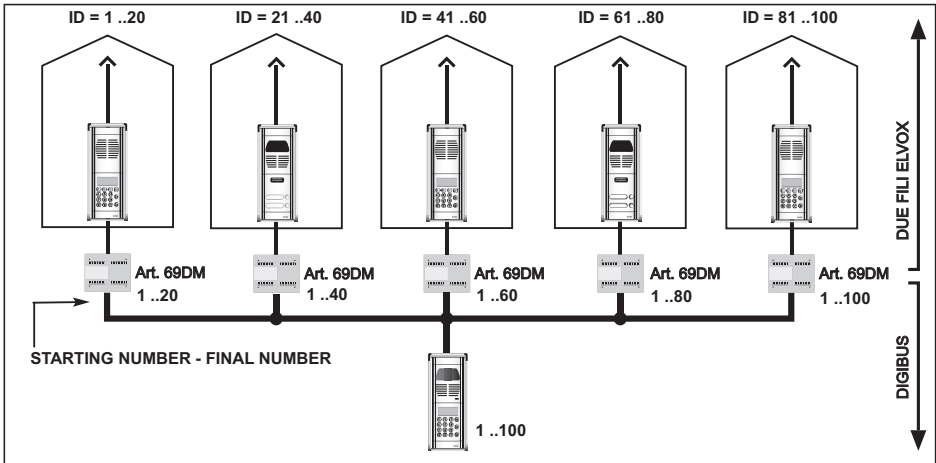
Anyway we suggest to avoid difficult numbering. If IDs are assigned starting from 1, the STARTING NUMBER is equal to the lower number we want to use by keypad. Also for this reason it is good to use a standard criteria for example dividing numbers on buildings. For example for the first building you can use those numbers (if every riser's IDs start from number 1):

Building	From:	To:	STARTING NUMBER	FINAL NUMBER
1	$\text{1} \text{0} \text{1}$	$\text{1} \text{4} \text{0}$	101	140
2	$\text{2} \text{0} \text{1}$	$\text{2} \text{4} \text{0}$	201	240
....				
9	$\text{9} \text{0} \text{1}$	$\text{9} \text{4} \text{0}$	901	940

In this example we stopped with 9 types 69DM, but we could go on.

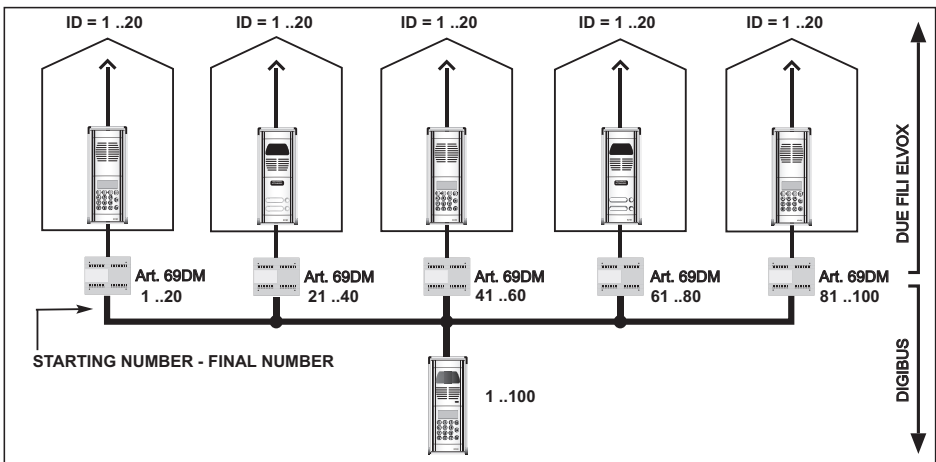
It is also possible to use the same numeration between main DigiBus entrance panel and secondary 2-Wire entrance panels, without mapping again IDs. In this case the maximum number of interphones and monitors has to be 200. For example think to have 5 buildings with 20 interphones for every building.

(5 buildings From left to right ID 1..20, 21..40, 41..60, 61..80, 81..100). 5 69DM with starting-finish 1-20, 1-40, 1-60, 1-80, 1-100).



Mapping again the numeration into 2-Wire stairs entrance panels with display and keypad, the limit of 200 doesn't exist anymore, and the system can be configured in this way:

(5 buildings. From left to right ID 1..20, 1..20, 1..20, 1..20, 1..20). 5 69DM with starting-finish 1-20, 21-40, 41-60, 6-80, 81-100).



Into the entrance panels with display and keypad is necessary for example to do the following programming:

- Stairs 3:

For ID=1 the code to be programmed is 41

For ID=2 the code to be programmed is 42

For ID=20 the code to be programmed is 60

- Stairs 5:

For ID=1 the code to be programmed is 81

For ID=20 the code to be programmed is 100

The push button entrance panels have not to be mapped again. The only reason to map again is if the push buttons aren't utilized consecutively starting from number one (it means without jumps or missing push buttons). On the contrary, you have to refer to electronic unit's manual instructions.

*

BUS TERMINATION FOR ELVOX TWO-WIRE INSTALLATIONS

This note applies to all devices with ELVOX TWO-WIRE technology equipped with "BUS termination connector", which is identified by the screen-printed letters "ABC" and marked on the wiring diagrams with *. For correct adaptation of the line, a jumper must be inserted according to the following rule: Keep the jumper in position "A" if the BUS enters and exists from the device; Move the jumper to position "B" (if Elvox cable) or to position "C" (if CAT5 twisted pair cable) if the BUS line terminates in the device itself.

"A" = NO TERMINATION

"B" = TERMINATION 100 ohm

"C" = TERMINATION 50 ohm

INSTALLATIONS WITH PASSIVE DISTRIBUTOR 692D**(DIN rail version)**

ALWAYS use output 1 on distributor type 692D (the only one that has no termination jumper).

For termination of type 692D: If outputs "OUT", "2", "3" or "4" are not used, KEEP the jumper on the "TOUT", "T2", "T3" or "T4" connector. The default "TOUT" connector is in the "100" position (Elvox cable), position it to "50" only if using a CAT5 twisted pair cable.

INSTALLATIONS WITH PASSIVE DISTRIBUTOR 692D**(non-DIN rail version)**

For termination of type 692D (non-DIN rail version): If the "OUT" output is not used, KEEP the jumper on connector "A". If the "OUT" output is used, REMOVE the jumper from connector "A".

INSTALLATIONS WITH ACTIVE DISTRIBUTOR 692D/2.

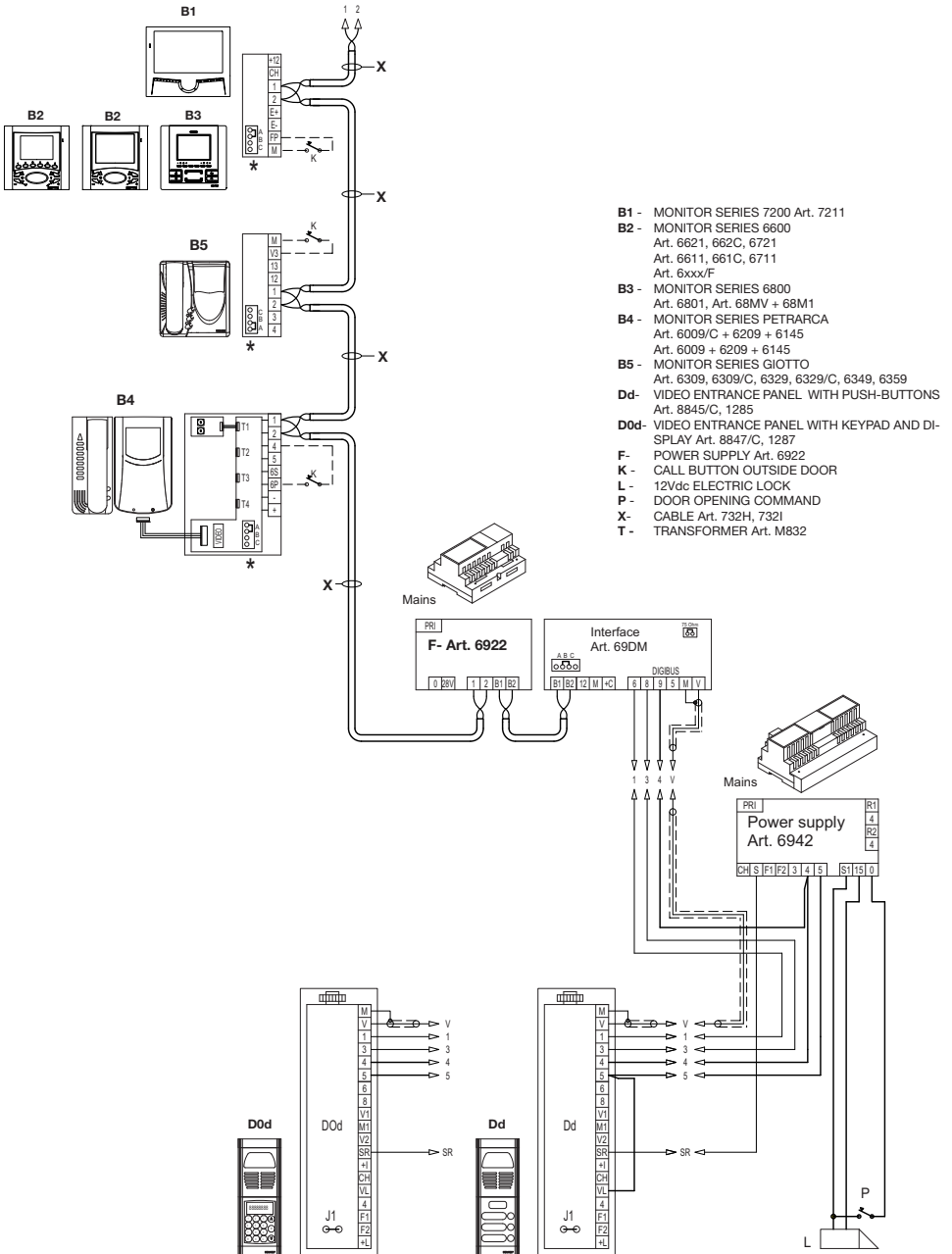
The termination jumper must be positioned on "B" (for Elvox cable) or on "C" (for CAT5 twisted pair cable) IF AND ONLY IF the BUS terminates at the device itself. It must be left on "A" if effecting entry-exit using terminals 1-2 on 692D/2.

Minimum wire section (in mm²) for systems with DIGIBUS technology

Conductors	Ø up to 50 m.	Ø up to 100 m.	Ø up to 200 m.	Ø up to 500 m.
4, 5	0.75 mm ²	1 mm ²	1.5 mm ²	4 mm ²
+, -, 15, 0, S1, lock	1 mm ²	1.5 mm ²	2.5 mm ²	-
Others	0.5 mm ²	0.75 mm ²	1 mm ²	2.5 mm ²
Video	Coaxial cable 75 Ohm (RG59 or RG11 double insulation)			

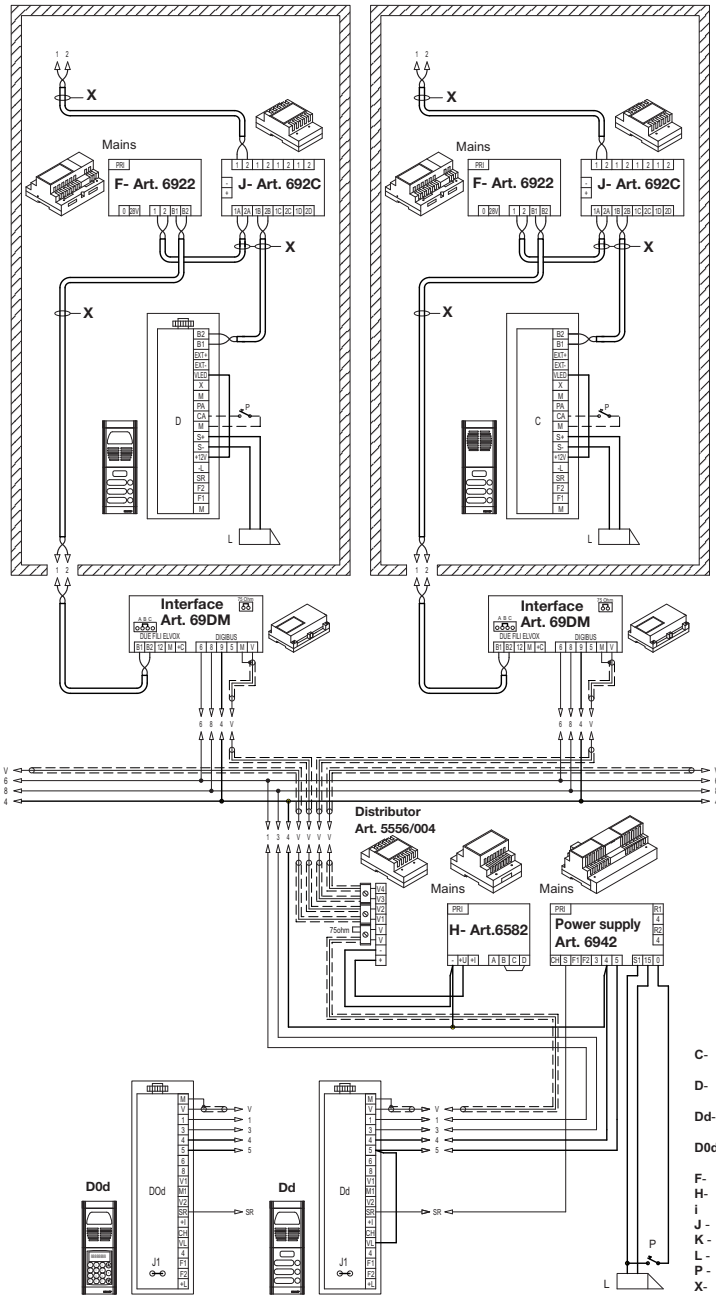
Conductor section				
Terminals	Ø up to 10m	Ø up to 50m	Ø up to 100m	Ø up to 150m
1, 2, B1, B2 (*)	0,5 mm ²	0,5 mm ²	0,75 mm ²	1 mm ²
Cable	Type 732H	Type 732H	Type 732H	Type 732H
Electric lock	1,5 mm ²	-	-	-
Other: -, +U, +I, -L (#)	1 mm ²	1 mm ²	1,5 mm ²	2,5 mm ²
Video	Coaxial cable 75 Ohm type RG59 o RG11			
* On video colour installations use cable type 732H for a maximum distance of 75 metres.				
# Additional power supplies (type 6923, 6582, 6982) must be installed as close as possible to the device to which they are to be connected.				

VIDEO DOOR ENTRY SYSTEM WITH DIGIBUS ENTRANCE PANEL, INTERFACE ART. 69DM AND ELVOX TWO-WIRE VIDEO DOOR ENTRY SYSTEM WIRING PILLAR (REF. SI565)



- B1** - MONITOR SERIES 7200 Art. 7211
- B2** - MONITOR SERIES 6600
Art. 6621, 662C, 6721
Art. 6611, 661C, 6711
Art. 6xxx/F
- B3** - MONITOR SERIES 6800
Art. 6801, Art. 68MV + 68M1
- B4** - MONITOR SERIES PETRARCA
Art. 6009/C + 6209 + 6145
Art. 6009 + 6209 + 6145
- B5** - MONITOR SERIES GIOTTO
Art. 6309, 6309/C, 6329, 6329/C, 6349, 6359
- Dd**- VIDEO ENTRANCE PANEL WITH PUSH-BUTTONS
Art. 8845/C, 1285
- D0d**- VIDEO ENTRANCE PANEL WITH KEYPAD AND DISPLAY Art. 8847/C, 1287
- F**- POWER SUPPLY Art. 6922
- K** - CALL BUTTON OUTSIDE DOOR
- L** - 12Vdc ELECTRIC LOCK
- P** - DOOR OPENING COMMAND
- X** - CABLE Art. 732H, 732I
- T** - TRANSFORMER Art. M832

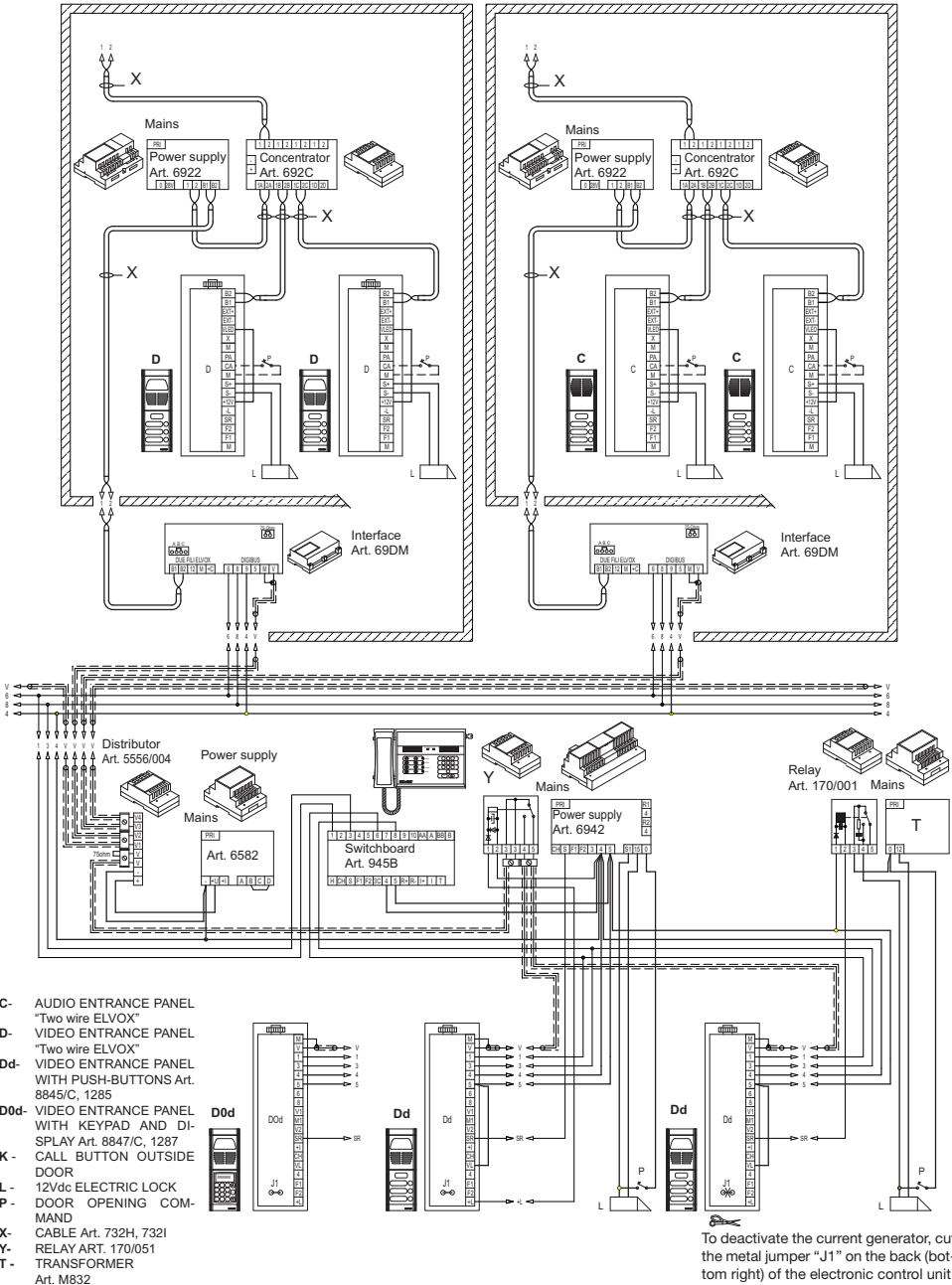
CONNECTING A DIGIBUS MAIN ENTRANCE PANEL AND INTERFACE ART. 69DM TO CONNECT UP ELVOX 2-WIRE SECONDARY ENTRANCE PANELS (RIF. S1566)



- C - AUDIO ENTRANCE PANEL "Two wire ELVOX"
- D - VIDEO ENTRANCE PANEL "Two wire ELVOX"
- Dd - VIDEO ENTRANCE PANEL WITH PUSH-BUTTONS Art. 8845/C, 1285
- Ddd - VIDEO ENTRANCE PANEL WITH KEY-PAD AND DISPLAY Art. 8847/C, 1287
- F - POWER SUPPLY Art. 6922
- H - ADDITIONAL POWER SUPPLY Art. 6582
- I - SEPARATOR Art. 692S
- J - CONCENTRATOR Art. 692C
- K - CALL BUTTON OUTSIDE DOOR
- L - 12Vdc ELECTRIC LOCK
- P - DOOR OPENING COMMAND
- X - CABLE Art. 732H, 732I
- T - TRANSFORMER Art. M832



CONNECTION OF A DIGIBUS 2 WIRE SYSTEM CONSISTING OF TWO MAIN ENTRANCE PANELS, LODGE SWITCHBOARD AND INTERFACE TYPE 69AM FOR THE CONNECTION OF SECONDARY ENTRANCE PANELS AND MONITOR RISERS (REF. SI567).





SAFETY INSTRUCTIONS FOR INSTALLERS

- Carefully read the instructions on this leaflet: they give important information on the safety, use and maintenance of the installation.
- After removing the packing, check the integrity of the set. Packing components (plastic bags, expanded polystyrene etc.) are dangerous for children. Installation must be carried out according to national safety regulations.
- It is convenient to fit close to the supply voltage source a proper bipolar type switch with 3 mm separation (minimum) between contacts.
- Before connecting the set, ensure that the data on the label correspond to those of the mains.
- This apparatus must only be used for the purpose for which it was expressly designed, e.g. for audio or video door entry systems. Any other use may be dangerous. The manufacturer is not responsible for damage caused by improper, erroneous or irrational use.
- Before cleaning or maintenance, disconnect the set.
- In the event of faults and/or malfunctions, disconnect from the power supply immediately by means of the switch and do not tamper with the apparatus.
- For repairs apply only to the technical assistance centre authorized by the manufacturer.
- Safety may be compromised if these instructions are disregarded.
- Do not obstruct opening of ventilation or heat exit slots and do not expose the set to dripping or sprinkling of water. No objects filled with liquids, such as vases, should be placed on the apparatus.
- Installers must ensure that manuals with the above instructions are left on connected units after installation, for users' information.
- All items must only be used for the purposes designed.
- **WARNING:** to prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- This leaflet must always be enclosed with the equipment.



Directive 2002/96/EC (WEEE)

The crossed-out wheeled bin symbol marked on the product indicates that at the end of its useful life, the product must be handled separately from household refuse and must therefore be assigned to a differentiated collection centre for electrical and electronic equipment or returned to the dealer upon purchase of a new, equivalent item of equipment.

The user is responsible for assigning the equipment, at the end of its life, to the appropriate collection facilities.

Suitable differentiated collection, for the purpose of subsequent recycling of decommissioned equipment and environmentally compatible treatment and disposal, helps prevent potential negative effects on health and the environment and promotes the recycling of the materials of which the product is made. For further details regarding the collection systems available, contact your local waste disposal service or the shop from which the equipment was purchased.

Risks connected to substances considered as dangerous (WEEE).

According to the WEEE Directive, substances since long usually used on electric and electronic appliances are considered dangerous for people and the environment. The adequate differentiated collection for the subsequent dispatch of the appliance for the recycling, treatment and dismantling (compatible with the environment) help to avoid possible negative effects on the environment and health and promote the recycling of material with which the product is compound.

FILIALI ITALIA

Torino

Strada del Drosso, 33/8
10135 Torino

Milano

Via Conti Biglia, 2
20162 Milano

FILIALI ESTERE

ELVOX Austria GmbH

Grabenweg 67
A-6020 Innsbruck

ELVOX Shanghai Electronics Co. LTD

Room 2616, No. 325 Tianyaoqiao Road
Xuhui District
200030 Shanghai, Cina

ELVOX Costruzioni elettroniche S.p.A. - ITALY

Via Pontarola, 14/a - 35011 Campodarsego (Padova)
Tel 049 9202511 - Fax 049 9202603 - info@elvox.com
Telefax Export Dept. +39/049 9202601 - elvoxexp@elvox.com

www.elvox.com

