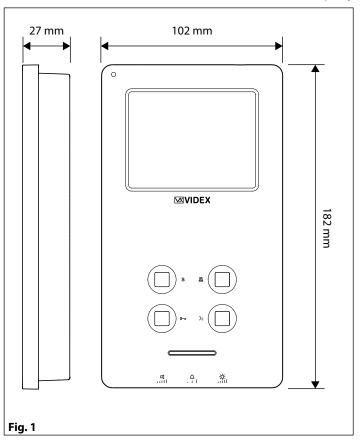
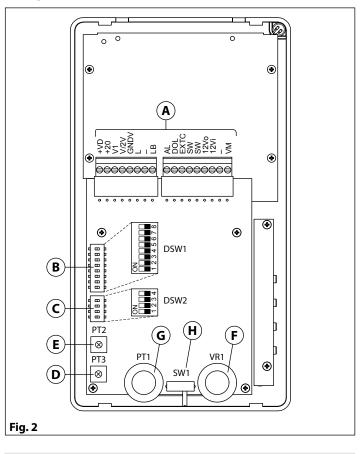
Art. 6378 3.5" hands free colour display videophone







ART. 6378 VX2200 6300 SERIES HANDS FREE VIDEOPHONE FOR SYSTEMS USING COMPOSITE VIDEO SIGNAL (COAX) OR BALANCED (TWISTED PAIR)

Surface mount hands free intelligent videophone incorporating a 3.5" Hi-Res full colour active matrix LCD monitor, with "answer/camera recall", "door open/concierge call", "privacy" and one "service" button plus 2 LED's one for generic use (door opening usually) and one to indicate privacy service enabled. Programmable settings: video mode (coax or balanced), privacy duration, melody and number of rings.

Adjustments: call tone volume (3 levels), speech volume, picture hue, contrast and brightness.

LEGEND

- (A) Connection terminals
- **B** 8 Way dip switch bank to set videophone address
- © 4 Way dip switch bank to set video mode
- **D** Contrast adjustment trimmer
- **E** Hue adjustment trimmer
- F Speech volume control
- **G** Brightness control
- (H) Call tone volume switch

PUSH E	BUTTON OPERATION DURING STANDBY (FIG. 1)
S	Service button When pressed, shorts terminal "SW" to "SW" (max 24Vdc 50mA).
数	Privacy service Press to enable the privacy service. The LED "X" turns on. The service is deactivated by pressing again the same button or when the programmed time expires.
0	Call the concierge Press to book a call to the digital concierge if installed on the system.
(، {	Press a number of times equal to the ID value of the door panel to switch ON. The LED ") " turns on. When the connection is made, press again to end the call

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PUSH B	PUSH BUTTON OPERATION DURING A CALL (FIG. 1)					
S	Service button When pressed, shorts terminal "SW" to "SW" (max 24Vdc 50mA).					
Ø	Reject the call During an incoming call, press this button to reject the call. The visitor doesn't receive any warning of the call rejected.					
0	Press to activate the door open relay of the outdoor unit and end the connection. The unit emits 5 "beeps" and the " } " LED will flash, then returns to stand-by mode.					
(۱۰	Answer a call Press to answer the call and start the conversation. The " > " LED turns on.					

PUSH BUTTON OPERATIONS DURING A CONVERSATION (FIG. 1)						
S	Service button When pressed, shorts terminal "SW" to "SW" (max 24Vdc 50mA).					
0	Open the door Press to activate the door open relay of the outdoor unit and end the connection after 10 seconds. The unit emits 5 "beeps" and the ") " LED will flash, then returns to stand-by mode.					
31)	End conversation Press to end a call. The" 》》" LED turns off.	Simplex button. Pressing and holding the button for more than 3 seconds will switch the videomonitor into SIMPLEX speech mode. Press and hold the button to speak to the caller (), LED will flash rapidly), release the button to listen (), LED will flash slowly). If the button is not pressed for 10 seconds the videomonitor will switch off. The videomonitor will revert to duplex speech when another call is made.				

LEDS (FIG	. 1)
LED ፟፟	Privacy on LED. It illuminates when the privacy service is enabled, when pressing the service button or during programming mode.
LED 0—"	Generic use LED. It is controlled from the terminal "DOL". Normally used to signal the door status (open or closed).
LED }))	ON LED. It illuminates when the videophone is switched ON or flashes quickly in "Push To Talk" mode.

CONT	CONTROLS (FIG. 1 AND FIG. 2)						
: B	VR1	Speech volume control (sliding wheel).					
١٠١	SW1	Call tone volume switch (3 levels).					
*	PT1	Brightness control (sliding wheel).					
PT2		Hue adjustment trimmer (rotate left to increase or right to decrease).					
РТЗ		Contrast adjustment trimmer (rotate left to increase or right to decrease).					

PROGRAMMING

All programming options are available only when the system is in stand-by.

PRIVACY SERVICE DURATION

- 1. Press and keep pressed "" button for 10 seconds to enter privacy service duration programming mode: the "" LED turns on and the unit emits a "beep";
- 2. Press "X" button as many times as required. Each press is equal to 15 minutes: the unit emits a "beep" every time the button is pressed. **I.E.**: press 4 times for 1 hour, 12 for 3 hours. Default: infinite. Max value: 20 hours. To program infinite privacy time don't press any buttons;
- 3. Wait for some seconds: the "X" LED turns off and the unit emits a "beep" that confirms the new setting is properly stored;
- 4. The unit returns to stand-by mode.

MELODY TYPE

- 1. Press and keep pressed " 0— " button for 10 seconds to enter melody type programming mode: the unit plays the current melody and then a "beep";
- 2. After the "beep" press " 0— " buttons to select the next melody: a new melody will play for some seconds then the unit emits a "beep". There are 9 melodies available. **Note:** press " 0— " buttons only after the melody is over and the unit emits the "beep";
- 3. When desired melody is playing, wait for some seconds: the unit completes the melody and emits a "beep", then the unit emits a double "beep" that confirms the new setting is properly stored;
- 4. The unit returns to stand-by mode.

Note: To set the melody it is required that the videophone is connected in a system where the +20Vdc voltage from Art. 893N1 is always enabled.

6300 Series

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NUMBERS OF RINGS

- 1. Press and keep pressed ") " button for 10 seconds to enter numbers of rings programming mode: the ") " LED turns on and the unit emits a "beep";
- 2. Press " ">>>> " button as many rings as required: the unit emits a "beep" every time the button is pressed. **I.E.**: press 3 times for 3 rings. Default value: 6 rings. Max value: 9 rings;
- 3. Wait for some seconds: the ") " LED turns off and the unit emits a "beep" that confirms the new setting is properly stored;
- 4. The unit returns to stand-by mode.

VIDEO MODE SW2

The video mode setup is carried out by the 4 way Dip-Switch accessible from the rear side of the videophone.

Switches 3 and 4 adjust the video signal impedance. When using more than one videomonitor in parallel (without a video splitter) put both switches in the OFF position on all but the last videomonitor (end of line).

VIDEO MODE				
Switches 1,2	Mode			
1 2 3 4	Coax			
1 2 3 4	Balanced			

75 OHM VIDEO TERMINATION				
Switches 3,4	Termination			
1 2 3 4	Enabled			
10N 1 2 3 4	Disabled			

VIDEOMONITOR/INTERCOM ADDRESS, VIDEO MODE AND TERMINATION SETUP DSW1

Each intercom is addressed in binary (PHONE ID) using the 8 way dipswitches located on the rear of the unit. Each switch corresponds to one bit which can have a value 0 (OFF) or 1 (ON). Each bit corresponds to a decimal weight depending on the position: Switch 1 = decimal 1, 2=2, 3=4, 4=8, 5=16, 6=32, 7=64, 8=128. **I.E.** to set the address 37, put switches 1, 3 and 6 on (1+4+32=37).

SWITCHES					DECIMAL WEIGHT					ADDRESS						
8	7	6	5	4	3	2	1	128	64	32	16	8	4	2	1	
OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	0	0	0	0	0	0	0	1	1
OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	0	0	0	0	0	0	1	0	2
OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	0	0	0	0	0	0	1	1	3
OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	0	0	0	0	0	1	0	0	4
	1		†	·	† · · · · · · · · · · · · ·	,	·	† · · · · · · · · · · · · ·	1							
OFF	OFF	ON	OFF	OFF	ON	OFF	ON	0	0	1	0	0	1	0	1	37
	1		1			1		1	1							
ON	OFF	ON	ON	OFF	ON	OFF	OFF	1	0	1	1	0	1	0	0	180

CABLING 6378 USING CAT.5 CABLE*

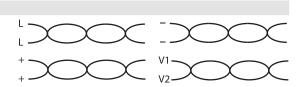
Connections:

- One pair must be used to double up the BUS line "L";
- One pair must be used to double up the power supply ground. The bus ground must be connected with power supply ground ("GNDV" & "-");
- One pair must be used to double up the positive power supply +20V;
- One pair must be used for the video signals "V1" and "V/V2";
- A link is required between "12Vo" & "12Vi";
- An additional PSU Art. 893N1 is required every 50 videomonitors installed in the system.

Max Distance**: 70 metres.

System type: Audio/video door entry systems.

- * When this cable is used, in case more videophones are connected in parallel in the same apartment, a local power supply for additional videophones is required.
- ** By max distance we mean the maximum distance between the door panel and the furthest videophone/intercom



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ART. 6378 - SIGNALS						
+VD	12Vdc output to supply coax video distributor Art. 894N					
+20	Video power supply 17÷20Vdc					
V1	Balanced video signal V1 sync. (balanced vid	leo signal mode)				
V/V2	Balanced video signal V2 sync. (balanced vid	deo signal mode)				
V/V2	Composite video signal (coax video signal	mode)				
GNDV	Video power supply ground reference					
L	BUS line					
_	BUS line ground reference					
LB	Local bell input (active low)					
AL	Alarm input (active low)					
DOL	12Vdc input to supply Aux LED					
EXTC	Call tone output for extension sounde	r (Art. 512A)				
SW	Service button connection	Max 24 Vdc				
SW	Service button connection 50mA					
12Vo	+12Vdc stabilized output					
12Vi	Stand-by +12Vdc power supply input					
_	Power supply ground input / coax video ground					
VM	Auxiliary input 200mA 12Vdc for video memory					
(Art. 6378/MV)						

TECHNICAL SPECIFICATION

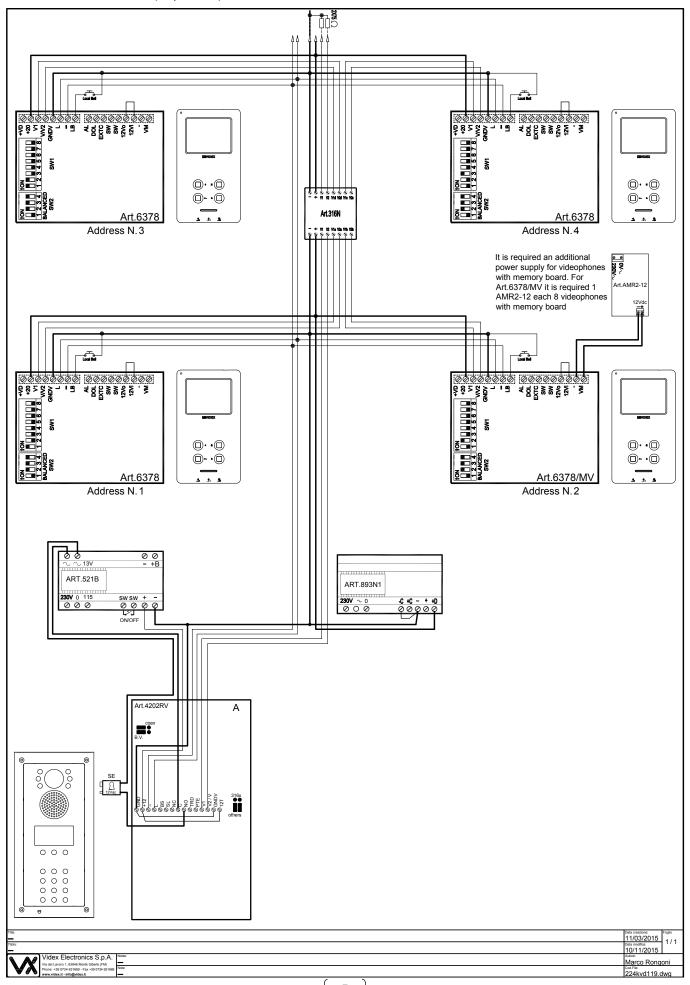
Working Voltage: 17÷20Vdc **Power Consumption:** Standby: 10mA

During a conversation: 150mA

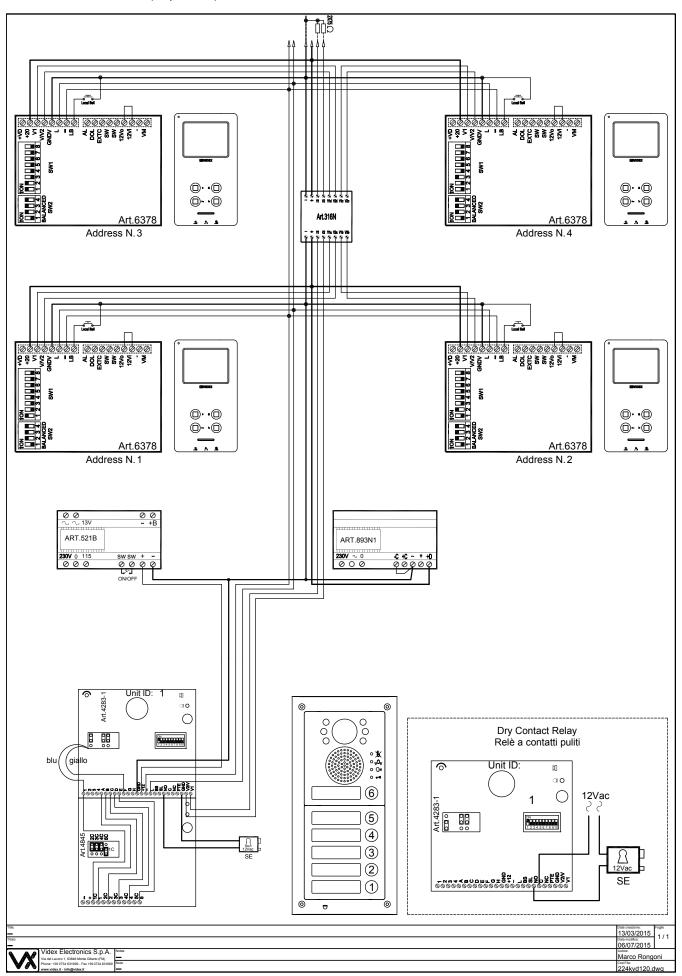
Max: 250mA

Working Temperature: -10°C +50°C

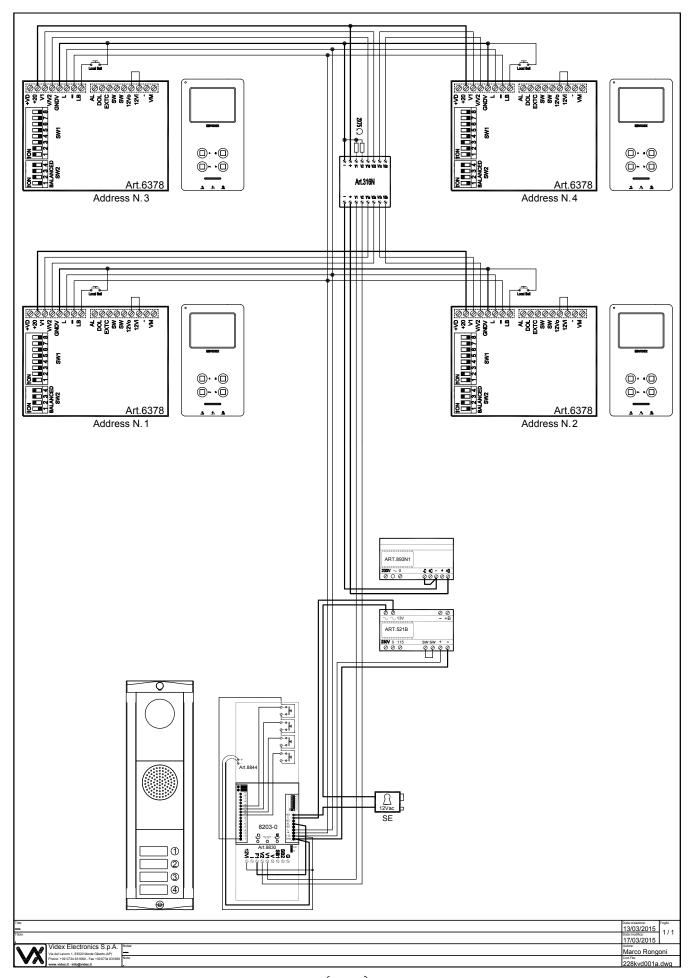




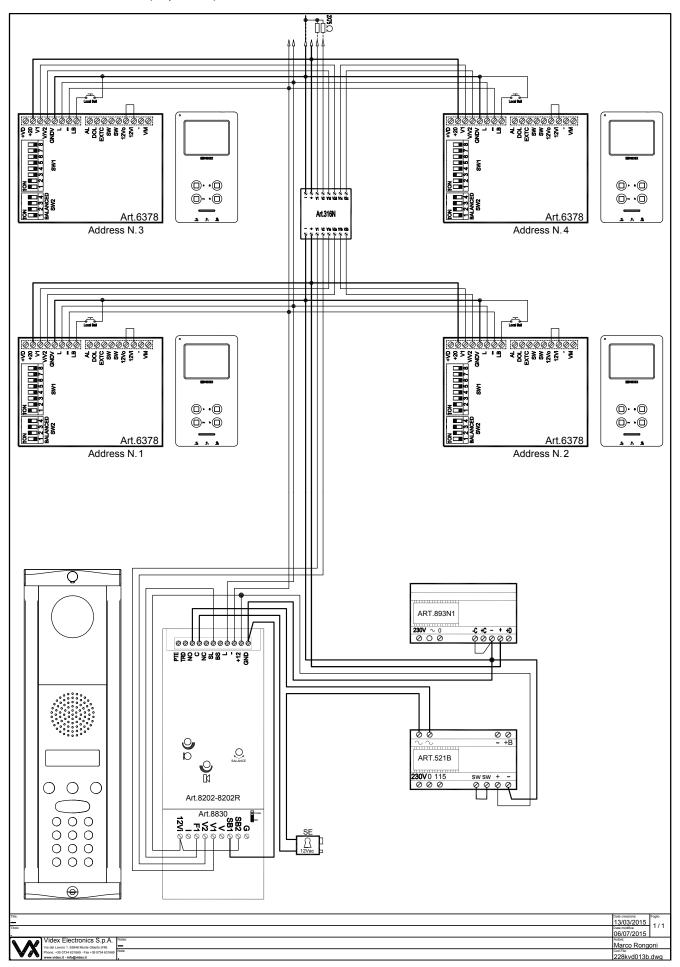






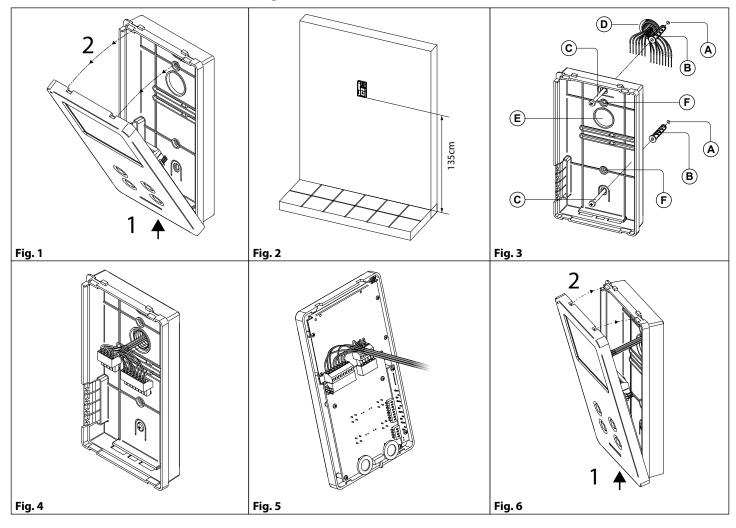






6300 Series Wall mounting instructions





- 1. In order to install the videophone, it is necessary to remove the cover, which contains all the electronics, from the base: press lightly on the bottom part of the videophone and simultaneously pulling outwards the upper part as shown in **Fig. 1**.
- 2. Put the base of the unit on the wall at approx 135cm from the finished floor to match the points for the fixing holes "A" (Fig. 2) remembering that the wires "D" (Fig. 3) must be fed through the large hole "E" (Fig. 3). If you use the flush mounting box 503, embed it into the wall vertically at approx. 140cm from the finished floor and the base.
- 3. Following **Fig. 3**, make the holes **"A"**, insert the wall plugs **"B"** and fix the base with the screws **"C"** feeding the wires **"D"** through the hole **"E"**. If you have used the box 503, fix the base to the wall through the holes **"F"** using the screws **"C"**.
- 4. As shown in **Fig. 4**, connect the wires to the removable terminals following the provided installation diagram. Connect the terminal blocks to the electronics contained in the cover as shown in **Fig. 5**. Test system before closing.

 Contrast and hue trimmers can be adjusted only if the videophone is open. To activate the display and see changes use the "Camera Recall" function by pressing 3) button.

Note: while testing the system, it is advisable to hold the cover with your hand.

5. Once testing is complete and all the necessary adjustments are made, close the unit as shown in **Fig. 6**: first hook in the bottom and the then the top until you hear a click.

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MANUFACTURER

VIDEX ELECTRONICS S.P.A.

Via del Lavoro, 1 - 63846 Monte Giberto (FM) Italy Tel (+39) 0734 631669 - Fax (+39) 0734 632475 www.videx.it - info@videx.it

CUSTOMER SUPPORT

All Countries:

VIDEX ELECTRONICS S.P.A.

www.videx.it - technical@videx.it Tel: +39 0734-631669 - Fax: +39 0734-632475

UK Customers:

VIDEX SECURITY LTD

www.videx-security.com Tech Line: 0191 224 3174 - Fax: 0191 224 1559

Main UK office:

VIDEX SECURITY LTD

1 Osprey Trinity Park Trinity Way LONDON E4 8TD

Phone: (+44) 0870 300 1240 Fax: (+44) 020 8523 5825 www.videx-security.com marketing@videx-security.com

Northern UK office:

VIDEX SECURITY LTD

Unit 4-7

Chillingham Industrial Estate

Chapman Street

NEWCASTLE UPON TYNE - NE6 2XX Tech Line: (+44) 0191 224 3174

Phone: (+44) 0191 224 31/4 Phos: (+44) 0870 300 1240 Fax: (+44) 0191 224 1559

Greece office:

VIDEX HELLAS Electronics

48 Filolaou Str. 11633 ATHENS

Phone: (+30) 210 7521028

(+30) 210 7521998 Fax: (+30) 210 7560712

www.videx.gr videx@videx.gr

Danish office:

VIDEX DANMARK

videx@videx.dk

Hammershusgade 15 DK-2100 COPENHAGEN Phone: (+45) 39 29 80 00 Fax: (+45) 39 27 77 75 www.videx.dk

Benelux office:

VIDEX BENELUX

E3 laan, 93 B-9800 DEINZE

Phone: (+32) 9 380 40 20 Fax: (+32) 9 380 40 25 www.videxbenelux.be info@videxbenelux.be

