Installation Guide, tabellet Apartment Station

Introduction

The tabellet is a hands-free video apartment station for use with the bell*free* door controller.

It is compatible with the model BF bell*free* apartment station, the model BS bell*issimo* video telephone and the model XL5-BS audio telephone.

Doorbell

The tabellet has a doorbell function which typically would be operated by a local, non-illuminated door push having a normally open contact.

Extension Ringer

Primarily included for activating third party DDA devices the auxiliary ring output consists of a pair of volt free contacts which close while the phone is ringing.

If the phone is muted the contacts do not close even though the phone may flash to indicate ringing.
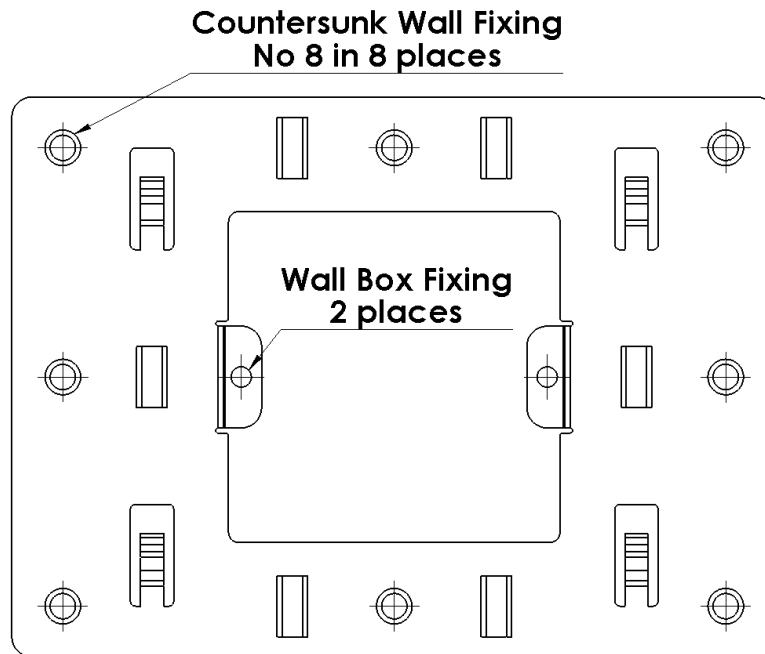
The contact rating is 1A non-inductive load.

Specification:

tabellet Colour Hands Free Apartment Station	
Size	144mm x 202mm x 50mm (20mm When flush)
Fixing	Wall Mounted
Supply Voltage	11V minimum – local power supply only. 20V to 28V typical
Current Consumption (Maximum) 11V 20V	25mA idle, 450mA active and 700mA ring 20mA idle, 250mA active and 400mA ring
Extension Ringer Output	Maximum 1A (non inductive) @ 10-50V
Buzzer Mute Time	Disabled, 1minute through 10 hours, indefinite

Wall Mounting

The tabellet is designed to be surface mounted onto a plaster or plasterboard wall using the supplied steel bracket. The optimum screen height is 1.6m however DDA considerations may reduce this height to 1.4m.
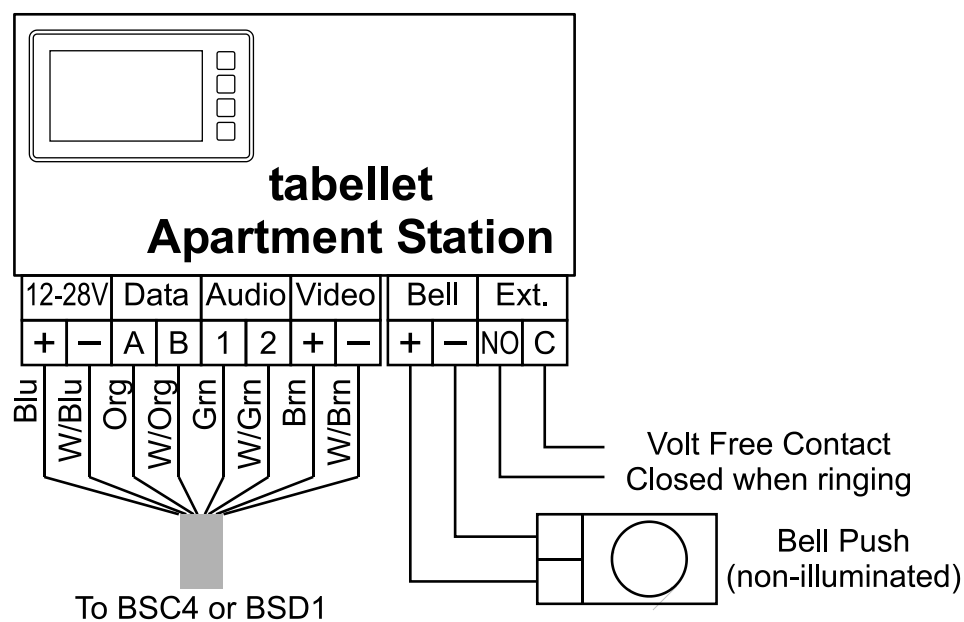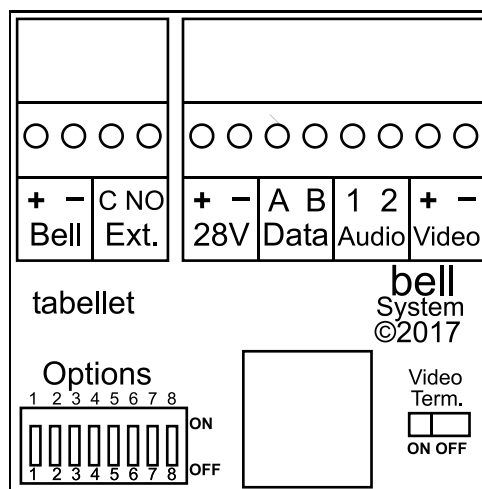
Instructions:

Warning. The heads of the countersunk screws must protrude less than 1mm or there will be difficulty attaching the apartment station to the plate.

1) Using the bracket as a template, cut a square hole into the plasterboard ensuring that the terminal block and other components on the back of the tabellet will clear.

2) A back-box is not required, however a standard flush-mounted single gang back-box can be fitted if desired. The back box does not have to be secured to the bracket but if this is desired, it is recommended that the bracket and back box be bolted together first and then fitted to the wall as a single item.

3) Fix the bracket to the plasterboard using up to 8-off No8 (4mm) screws and suitable plasterboard plugs. Ensure that the bracket is absolutely level when fitted.

4) Fit the tabellet unit by aligning it onto the 4 hooks of the wall bracket, and then pushing gently towards the wall and sliding the tabellet down until it "clicks" into place.

5) The tabellet can be removed from the wall mounting box by pushing upwards until it slides off the bracket. When up far enough it will come forward and the wiring can be accessed.

tabellet Connections

+	−	C	NO
Bell		Ext.	

+	−	A	B	1	2	+	−
28V		Data		Audio		Video	

tabellet

bell
System
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Options

1 2 3 4 5 6 7 8 **ON**

1 2 3 4 5 6 7 8 **OFF**

Video
Term.

ON OFF

tabellet
Apartment Station

12-28V		Data		Audio		Video		Bell		Ext.	
+	−	A	B	1	2	+	−	+	−	NO	C
Blu	W/Blu	Org	W/Org	Grn	W/Grn	Brn	W/Brn				

To BSC4 or BSD1

Volt Free Contact
Closed when ringing

Bell Push
(non-illuminated)

tabellet Switch Settings

Mute Time   Settings (1-4)

4	3	2	1	Mute Time
On	On	On	On	Disabled[1]
On	On	On	Off	2 minutes
On	On	Off	On	5 minutes
On	On	Off	Off	10 minutes
On	Off	On	On	15 minutes
On	Off	On	Off	20 minutes
On	Off	Off	On	30 minutes
On	Off	Off	Off	45 minutes
Off	On	On	On	1 hour
Off	On	On	Off	2 hours
Off	On	Off	On	4 hours
Off	On	Off	Off	5 hours
Off	Off	On	On	6 hours
Off	Off	On	Off	8 hours
Off	Off	Off	On	10 hours
Off	**Off**	**Off**	**Off**	***Indefinite[2]**

Settings

OFF ↔ ON

*Default setting

[1]Disabled means pressing the *mute* button has no effect.

[2]Indefinite; the *mute* is cancelled by pressing the button again.

Individual Functions   Settings (5-8)

Settings

OFF ↔ ON

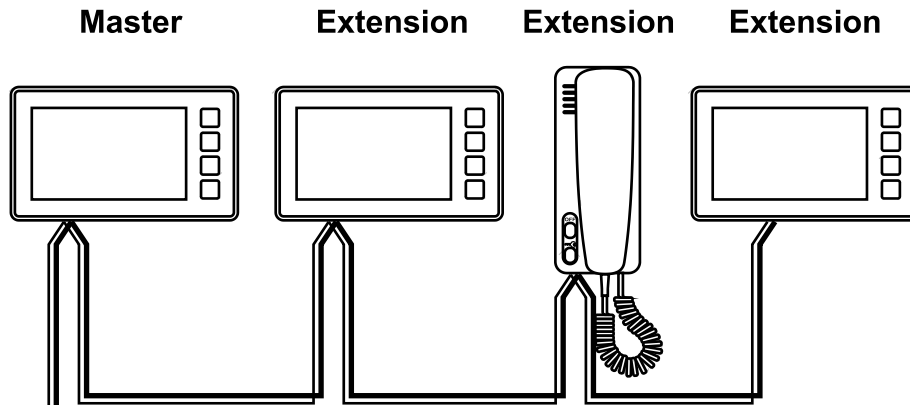| 5	Master / Extension	Which videophone to set
*Off	Master	Only or first videophone per BSC4 output.
On	Extension / Slave	Second and subsequent videophones per BSC4 output.
6	**Auto Display on Ring**	**Videophone display behaviour**
*Off	Display during ring	Picture is on while ringing, stays on when answered.
On	No display during ring	Picture is off while ringing, comes on when answered.
7	**Spare**	
*Off		
On		
8	**Spare**	
*Off		
On		

*Default setting

Video Terminator Jumper Setting

The jumper is situated bottom right. It is 3 pin and labelled On and Off.

The jumper should be on when there is only one video display otherwise only the last video display should have a jumper set to On, the rest being set to Off.
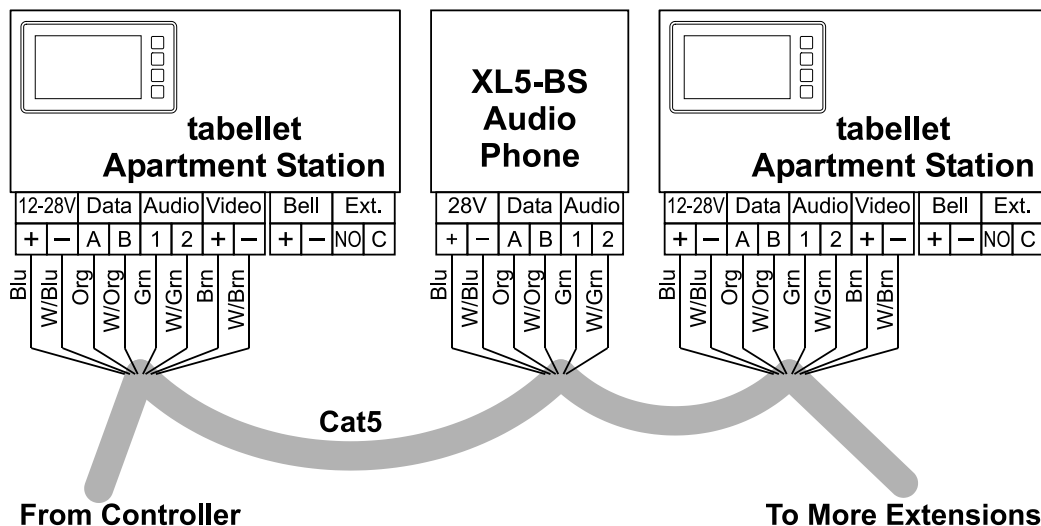
Diagram A – Extension tabellet Wiring

Master **Extension** **Extension** **Extension**

1 Cat 5 Plus Optional Power Cores

When additional power cores are required replace the Blu and W/Blu wires with the additional wires

tabellet Apartment Station

12-28V		Data		Audio		Video		Bell		Ext.	
+	−	A	B	1	2	+	−	+	−	NO	C
Blu	W/Blu	Org	W/Org	Grn	W/Grn	Brn	W/Brn				

XL5-BS Audio Phone

28V		Data		Audio	
+	−	A	B	1	2
Blu	W/Blu	Org	W/Org	Grn	W/Grn

tabellet Apartment Station

12-28V		Data		Audio		Video		Bell		Ext.	
+	−	A	B	1	2	+	−	+	−	NO	C
Blu	W/Blu	Org	W/Org	Grn	W/Grn	Brn	W/Brn				

Cat5

From Controller **To More Extensions**

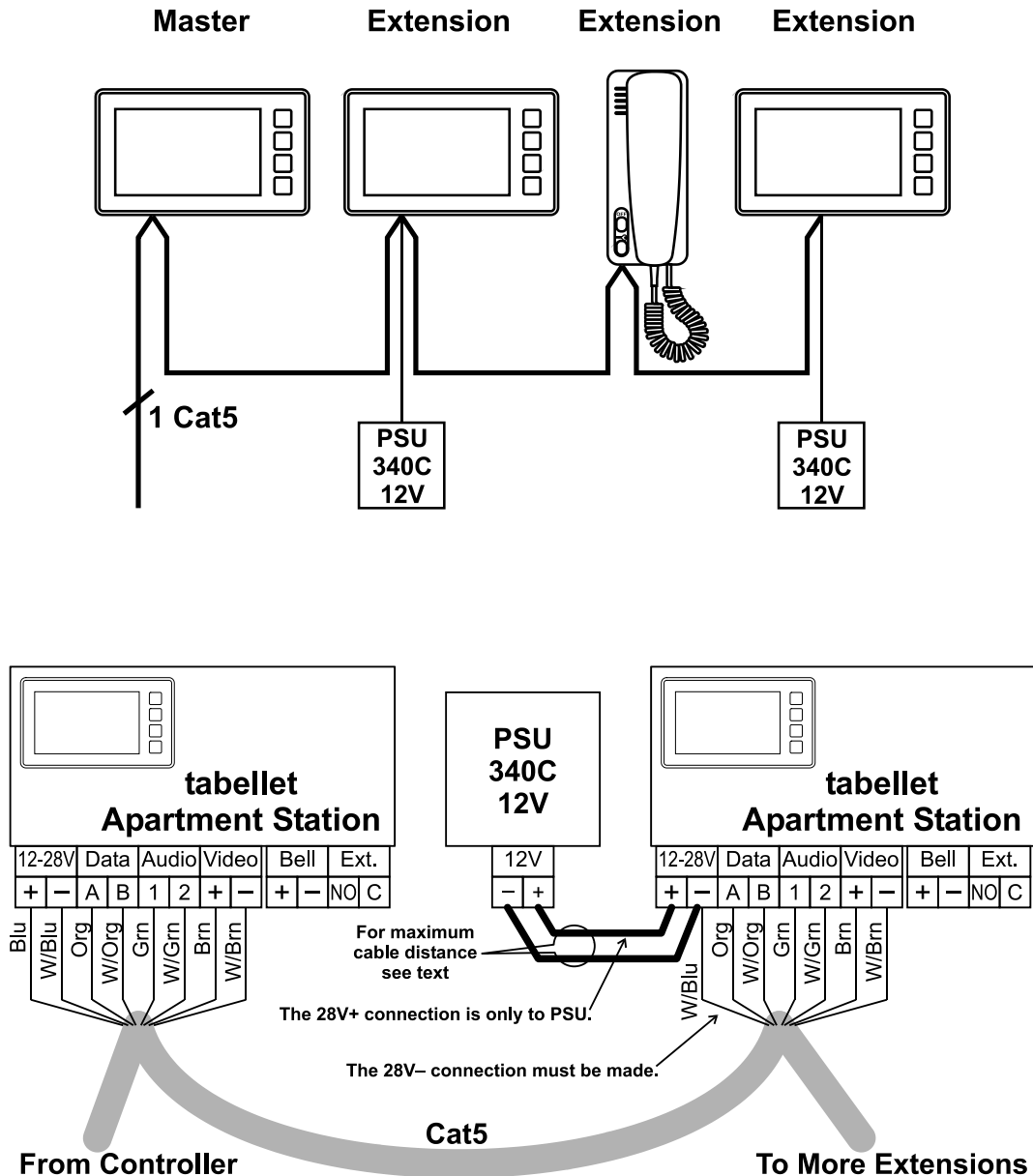## Note. For each cable run :-

- Only one unit must be Master (Recommend the first unit)
- Auto display on one video unit only (For auto display on multiple video units see next Diagram)
- Extension video units must be "daisy chain" wired to preserve video quality
- The last (or only) video unit on the cable requires the Video Terminator "ON" all other video units must have the Video Terminator "OFF"

Diagram B – tabellet Local Power Wiring

Where more than one extension video unit is required to provide "auto display" then additional power supplies will be required

Master	Extension	Extension	Extension

1 Cat5

PSU 340C 12V

PSU 340C 12V

tabellet Apartment Station

12-28V		Data		Audio		Video		Bell		Ext.	
+	−	A	B	1	2	+	−		+	−	NO	C

Blu / W/Blu / Org / W/Org / Grn / W/Grn / Brn / W/Brn

PSU 340C 12V

12V	
−	+

For maximum cable distance see text

The 28V+ connection is only to PSU.

The 28V− connection must be made.

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12-28V		Data		Audio		Video		Bell		Ext.	
+	−	A	B	1	2	+	−		+	−	NO	C

W/Blu / Org / W/Org / Grn / W/Grn / Brn / W/Brn

Cat5

From Controller   **To More Extensions**

Note. For each cable run :-

- Only one unit must be Master (Recommend the first unit)
- Extension video units must be "daisy chain" wired to preserve video quality
- The last (or only) video unit on the cable requires the Video Terminator "ON" all other video units must have the Video Terminator "OFF"