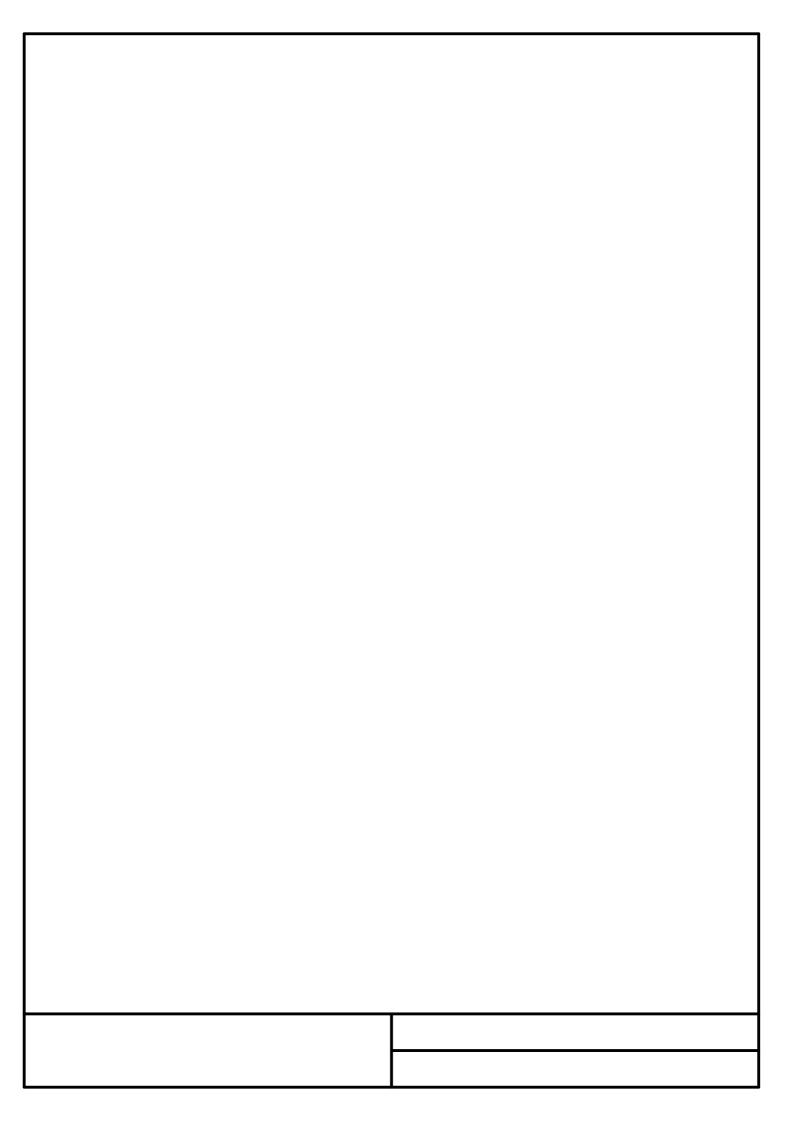
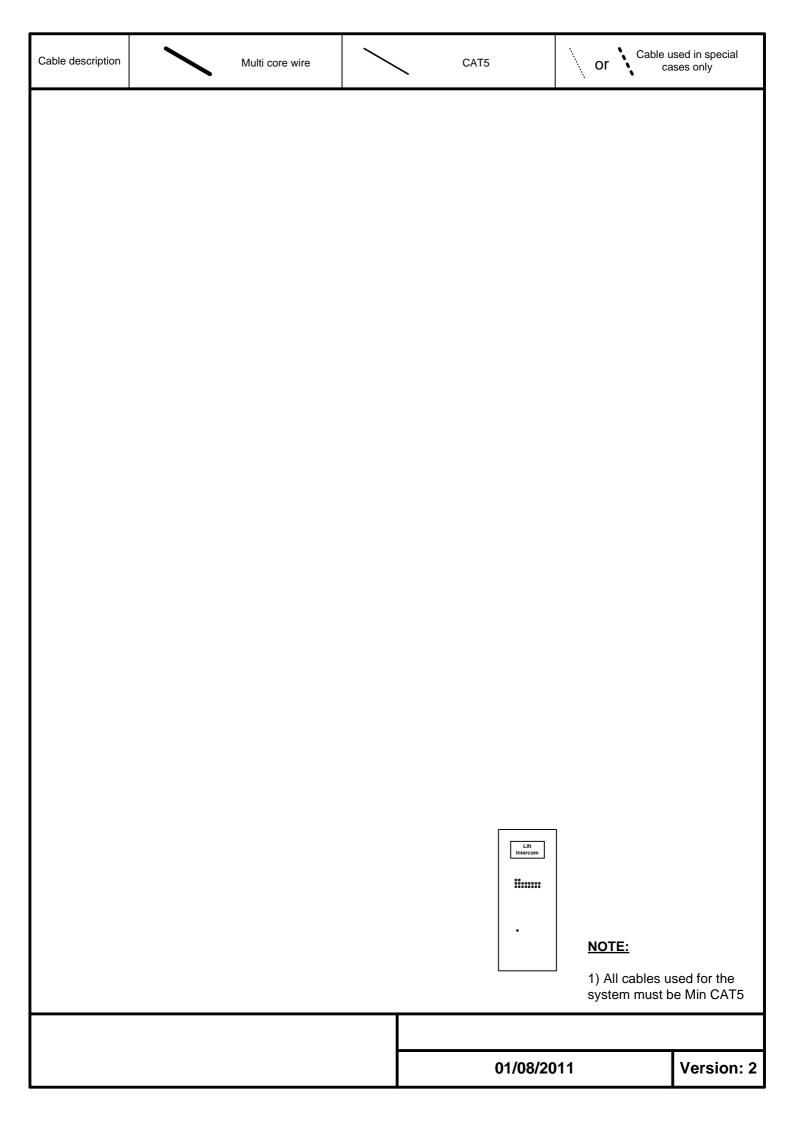
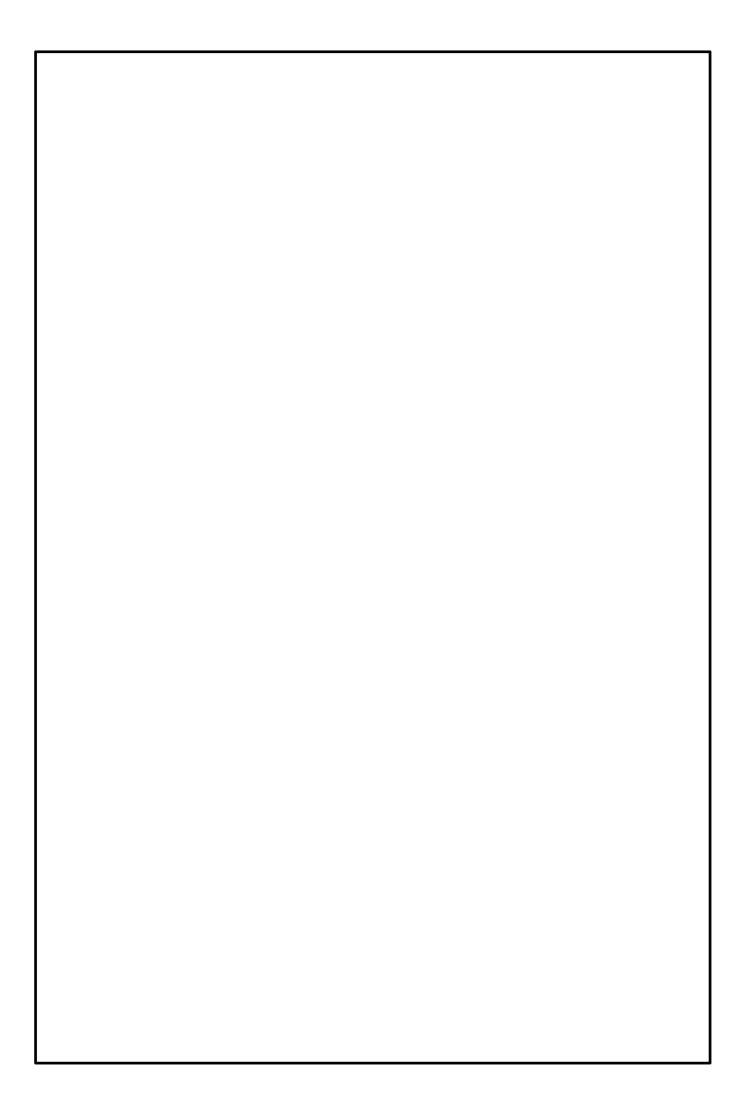


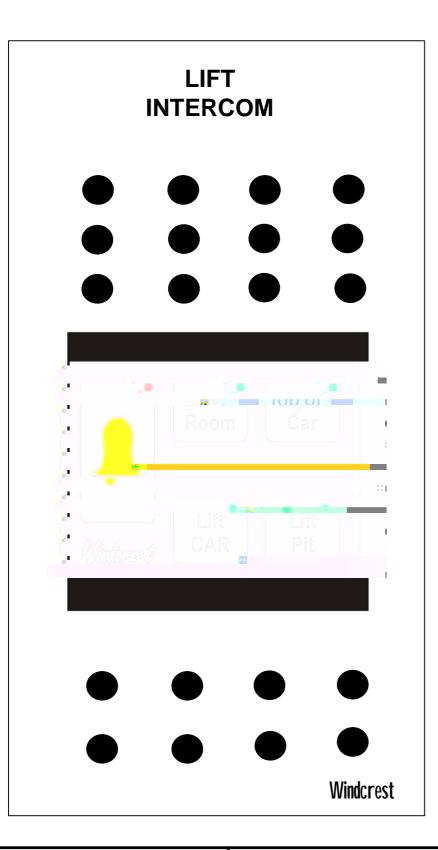
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AVCOM EN-3 System Drawings -AVCOM EN3 With Pit Speaker System	
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Connect bus terminator to the last outstation on each bus.

RJ 45 Bus Terminator & Speaker Box

Drawing: Terminator

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AVCOM Functions

Configuration

The AVCOM system can be configured to be EN1/EN3/EN4 System. Refer to the page no 14. for Programming of the Unit.

Interconnection

All the speaker box assemblies will be connected directly or indirectly via a 6 wire bus (however a CAT5 cable with RJ45 Connectors will be used of installation) to the Control/Power supply unit. This interconnecting wire bus will have a 2 pairs of wires for the Power supply, a pair for the Audio and a pair for the Data.

Operation

Autodialler

The Autodialler will function at all times when the Fire Fighting Switch has not been operated. le If the Car push button is operated, for 3 seconds and the alarm filter allows the signal to trigger the Windcrest autodialler, the Yellow Pictogram will operate and a Speech Synthesis message will be announced in the lift car. This message will instruct and reassure the passenger that a call for assistance is being made.

The autodialler will attempt calling the 1st pre-programmed number. If the person who answers the call, presses * button on the telephone handset, Green Pictogram will operate in the Lift Car. During the conversation a speech synthesis reminder will occur to inform the need to press the Alarm Button in the Lift Car to continue the call. If he fails to do so, the call will terminate. If however the call is to be terminated prior to the automated termination, a "0" on the called persons telephone will terminate the call.

The calling out by the Engineer from the Top of car and the Lift Pit will be the same, except the pictogram operation. Lift Car Alarm Push will have priority over all other Alarm Calls. i.e. If Alarm is Activated from top of car and during the call, if Alarm Push button is detected from the Lift Car, it will disable the Top Of Car call and activate Alarm call from Lift Car.

Intercom

If unit is programmed for EN3 functions, at any time when the system is idle, i.e no alarm activation, intercom facility will be available within Lift Car, Lift Pit, Lift Top Of car. Intercom can be operated by pressing the corresponding button on the KeyPad. Pressing the same button will switch off the intercom. When Intercom will be open corresponding LEDs will be ON, on the keypad on all outstations to indicate Intercom is ON.

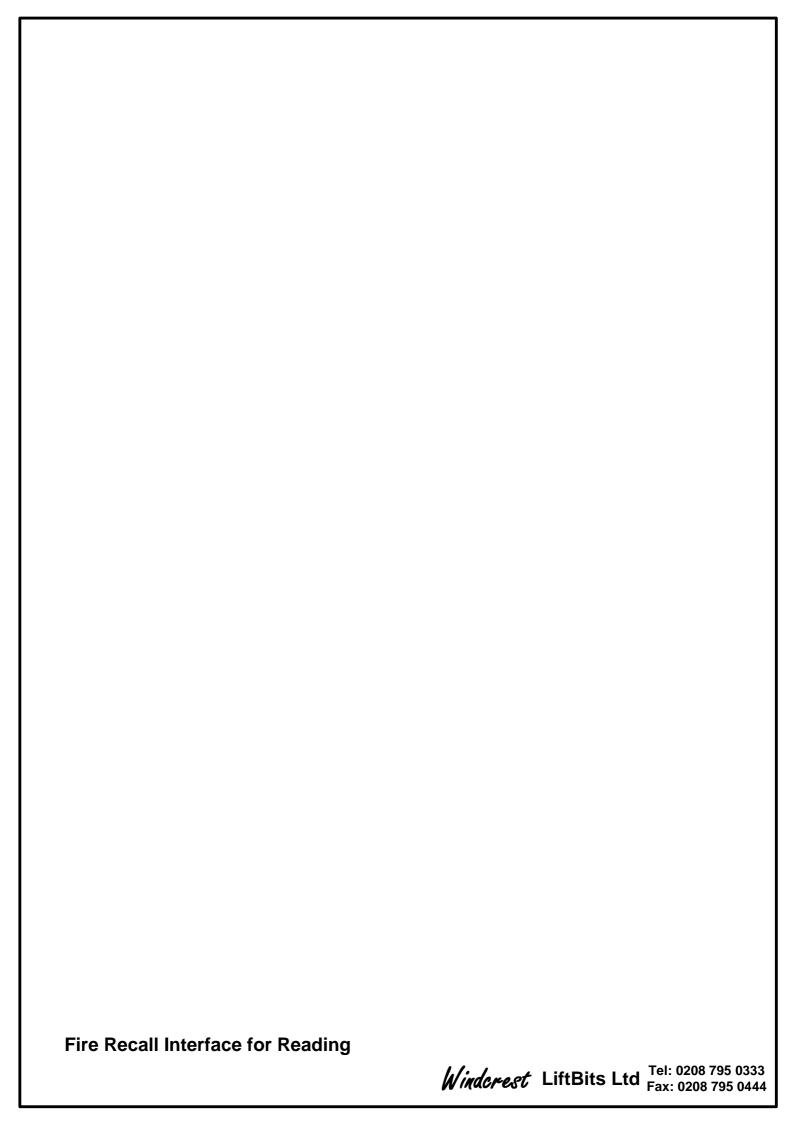
Note: Anytime, if Alarm button is pressed intercom will be switched off and AVCOM system will perform normal Autodialler function from the outstation.

AVCOM Autodialler and Intercom Operation

Drawing : AVCOM Functions

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AVCOM Evacuation Functions

<u>Interconnection</u>

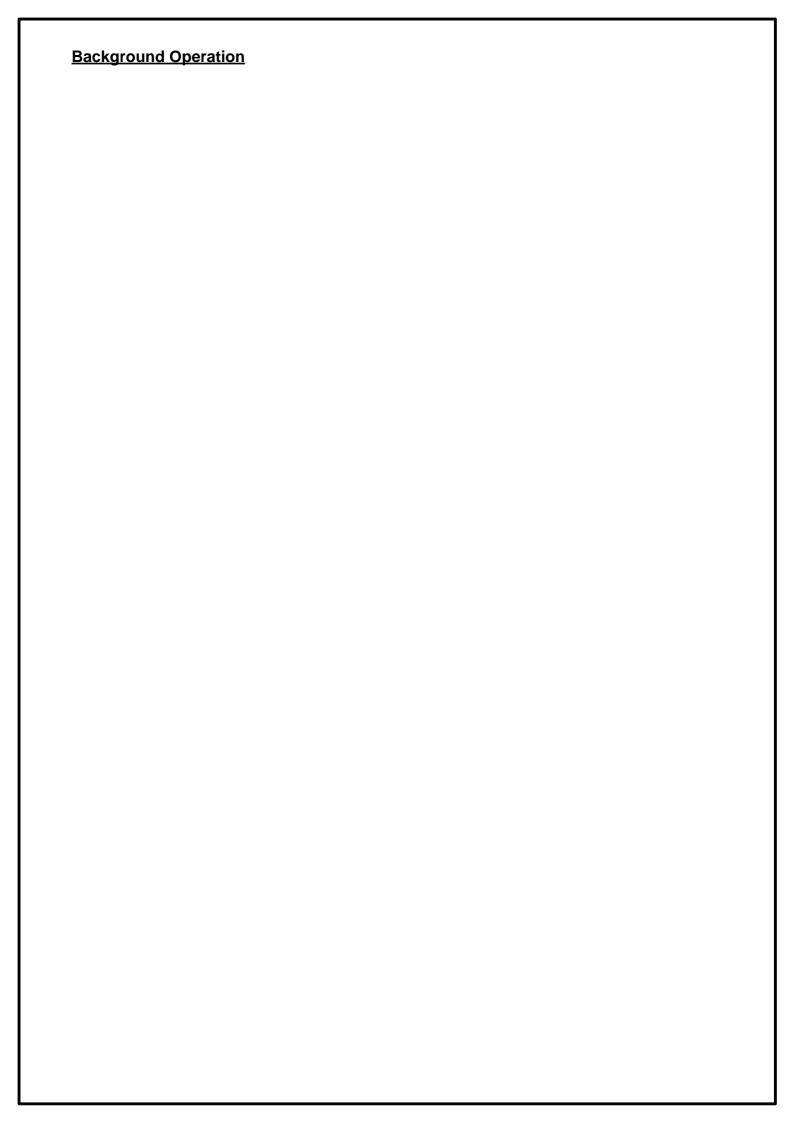
Connect the main Evacuation Panel to the Bus. Connect all the Landing Speakers to the bus. This interconnecting wire bus will have a 2 pairs of wires for the Power supply, a pair for the Audio and a pair for the Data. Refer to Page 12 for the Lift Controller Contacts and the Evacuation Switch Contacts (Yellow & Blue) from the Main Panel.

Operation

To activate the evacuation system, place the EURO switch in the ON position. All the LEDs for the Landing Speakers and the Lift Car will flash for 5 seconds when the system is analysing the Outstations. After 5 seconds, the LEDs on the main Panel will be ON for the outstations which are present working (i.e. Data Link is Working) for 3 seconds. All LEDs will be switched OFF on the Pit, Top Of Car, MRL Speaker Keypads. The "Listen" Pictogram will be ON to indicate that the system is ready.

At the all Landing Speakers Call Button will Flash slowly to Indicate System is ON. On pressing the CALL button on any outstation, the LED will start flashing faster to indicate placement of a call. At the same time the corresponding LED for that outstation and a buzzer will operate. The flashing and buzzing will continue till the person on the Main Control Panel answers the call by pressing the corresponding button. At the point the voice link is opened, the LED on the calling outstation and main panel will remain ON till the voice link is terminated.

When Voice Link is active, press to speak button will control the speech from the master station. When press to speak button is released, Main Control Panel's microphone will be muted and outstation microphone will be ON, and Main Control Panel's microphone is muted. When press to speak button is pressed and Hold, Outstation microphone will be muted and Master Panel microphone will be ON. Pictograms at the Main Contr



Programming of the AVCOM System
All input data must be entered by the pressing of the "Enter" button and go back a step by pressing "Cancel" button.

Programming of the AVCOM System

- 16. Instant Trigger? Press 1 for Instant Trigger. Press 0 for 3 second trigger delay.
- 17. AlarmPush N/C? Press 1 for Normally Closed Alarm Push, Press 0 for Normally Open Alarm Push.
- 18. Autojump next? Press 1 to Enable autojump and 0 to disable autojump.

 When AutoJump is Enabled, by triggering the Unit, unit will dial the 1st Telephone number and will wait for the acknowledgement * from the recipient of the call. If * is not received within 30 seconds of the Dialling, unit will jump to the 2nd Telephone Number. The unit will continue Jumping to the Next number unless * is received from the call recipient (The unit will jump till the 5th telephone number and then will stop jumping).
- 19. Lift No? Use 2 & 8 Key to scroll. Lift Number Can be programmed as single 0-9 or A-Z. Press Enter after correct Lift Number is selected.

20.	ID Message To r ht9/7&6Lf7	0v (L&9L/00vP(5	F&a(B)801xf9(F8xf6)(57&	& €(15/16&)6\ Wf(160&)f\$(15 1 E	338 /841/51 78 400(5571.93660)
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Remote Programming of the AVCOM System
To remotely program the Unit,

Local Programming Vial Telephone Handset:

- 1. Connect the Telephone Handset to the Unit.
- 2. Key In *1234# is required to be pressed. Unit will beep once to acknowledge the code.
- 3. Use the following codes to Program:

Please Note if the unit accepts the string, unit will beep once at the end of the string. If anytime wrong parameter is being detected, unit will beep three times. Retry after 2 seconds.

It is not necessary to program all the parameters. Programming can be terminated anytime once the desired parameters are set.

1st Telephone Number
2nd Telephone Number
3rd Telephone Number
4th Telephone Number
5th Telephone Number
Contract Number

*11#Telephone Number
*12#Telephone Number#
*13#Telephone Number#
*14#Telephone Number#
*15#Telephone Number#
*16#Contract Number#

Auto-Test *20#N# N = 1 to Enable, N = 0 to Disable. Auto-Jump *21#N# N = 1 to Enable, N = 0 to Disable. Auto-Pictogram *22#N# N = 1 to Enable, N = 0 to Disable. CB Hot Line *23#N# N = 1 to Enable, N = 0 to Disable.

All AVCOM Speakers have unique address. This address is set by the Dip Switch on the back of the each speaker box. Following are the arrangements for the Dip Switch for the different speaker box.

Note: X – Do Not Care

	1	2	3	4	5	6
Car Speaker	ON	Off	Off	Off	Off	Χ
Top Of Car Speaker	Off	ON	Off	Off	Off	Χ
Pit Speaker	ON	ON	Off	Off	Off	Χ
MRL Speaker (For EN4 & FF)	Off	Off	ON	Off	Off	Χ

2COP Speaker

This address is special and to be set at factory only.

FF Top Landing (EN3/EN1

This address is special and to be set at factory only.

StandAlone FF)

Fire Fighting Main Landing This address is special and to be set at factory only.

F	_			4	_	
Evacuation Landing Speaker	1	2	3	4	5	6
Landing 1	ON	Off	Off	Off	Off	X
Landing 2	Off	ON	Off	Off	Off	X
Landing 3	ON	ON	Off	Off	Off	Х
Landing 4	Off	Off	ON	Off	Off	Х
Landing 5	ON	Off	ON	Off	Off	Х
Landing 6	Off	ON	ON	Off	Off	Х
Landing 7	ON	ON	ON	Off	Off	Х
Landing 8	Off	Off	Off	ON	Off	Х
Landing 9	ON	Off	Off	ON	Off	Х
Landing 10	Off	ON	Off	NO	Off	Х
Landing 11	ON	ON	Off	NO	Off	X
Landing 12	Off	Off	ON	NO	Off	Х
Landing 13	ON	Off	ON	NO	Off	Х
Landing 14	Off	ON	ON	ON	Off	Х
Landing 15	ON	ON	ON	ON	Off	Х
Landing 16	Off	Off	Off	Off	ON	Х
Landing 17	ON	Off	Off	Off	ON	Х
Landing 18	Off	ON	Off	Off	ON	Х
Landing 19	ON	ON	Off	Off	ON	Х
Landing 20	Off	Off	ON	Off	ON	Х
Landing 21	ON	Off	ON	Off	ON	Х
Landing 22	Off	ON	ON	Off	ON	Х
Landing 23	ON	ON	ON	Off	ON	Х
Landing 24	Off	Off	Off	ON	ON	Х
Landing 25	ON	Off	Off	ON	ON	Х
Landing 26	Off	ON	Off	ON	ON	Х
Landing 27	ON	ON	Off	ON	ON	X
Landing 28	Off	Off	ON	ON	ON	X
Landing 29	ON	Off	ON	ON	ON	X
Landing 30	Off	ON	ON	ON	ON	X
Landing 31	ON	ON	ON	ON	ON	X

AVCOM Speaker Dip Switch Arrangement Drawing : Dip Switch Page: 16

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