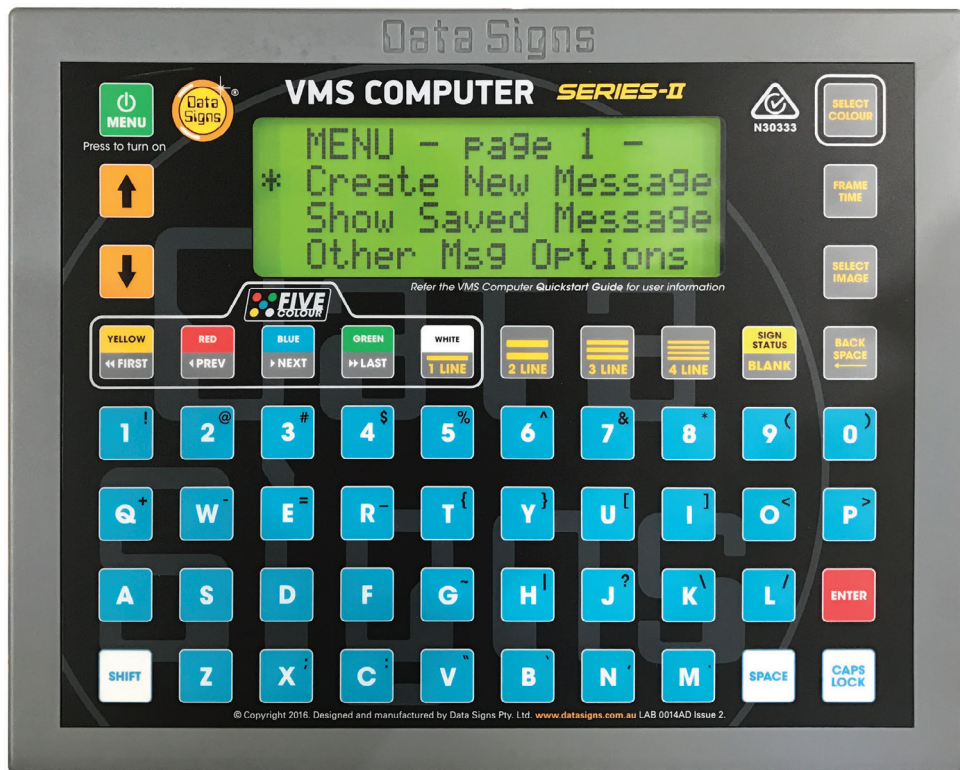




VMS Computer QuickStart Guide

SERIES-II



VMS Computer

For this manual convention, Sign means Data Signs Variable Message Signs or VMS.


The VMS COMPUTER is a requirement as part of the Australian Standards AS4852.2-2019 Portable signs, to be fitted to your Sign. It is however purchased at customer discretion.


It is used to program, monitor and facilitate changing settings at the Sign.

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■ Start-Up

If the VMS COMPUTER is plugged in but not used for a period of 2 minutes or more, the display and the LCD backlight will go to STANDBY MODE, to reactivate the VMS COMPUTER, push the  button. Also, when the VMS COMPUTER is in use priority is given to the keyboard instead of DS-Live™.

The MENU button  is also used to return back to a fixed starting point

D	a	t	a		S	i	g	n	s		P	t	y		L	t	d		
V	M	S		C	O	M	P	U	T	E	R			S	-	I	I		
V	e	r	s	i	o	n	:	0	5	.	0	1	.	0	1				
I	n	i	t	i	a	l	i	s	i	n	g	.	.	.					

If the security features are activated, the VMS COMPUTER will ask you to enter a 4-digit pin number

and the VMS Password. Refer to “Security Settings” section of this guide.

After the Start-Up screen, Pin and VMS Password entries (if enabled), the Menu is displayed.

■ Creating a Message

The following is a step-by-step tutorial detailing how to use the VMS COMPUTER to create a message and show it on the Sign.

Important note:

If Creating messages for Traffic Management use, it is recommended that you limit the message to only 3 lines of text high and 8 letters wide. This is to allow vehicles approaching at speed to be able to read and interpret the message easily. See example below of a properly formatted message as recommended by the Australian Standards AS4852.2-2019 for Portable Signs.



Properly Formatted Message, using multiple frames.



Too difficult to read at approaching speed



1. Navigate the Menu screen using the  and  keys to select the **'Create New Message'** option. Once the asterisk is beside the **'Create New Message'** option, push the  button.

M	E	N	U	-	P	a	g	e	-	1									
*		C	r	e	a	t	e		N	e	w		M	e	s	s	a	g	e
		S	h	o	w		S	a	v	e	d		M	e	s	s	a	g	e
		E	d	i	t		M	e	s	s	a	g	e						

The message creation screen will appear as shown on the next page.


- The left side of the screen shows the number of lines used for the current frame.
- The middle of the screen is where the message text can be entered
- The right side of the screen shows the current frame that you are on and also the current frame display time.

L	1		|												F	1	
L	2		|												/	1	
L	3		|														
			|			T	m	2									

2. Enter text in this frame as shown below. To move up and down through the frame text, use the  and  keys. The cursor will move forwards or backwards, character by character.

L	1		|			R O A D				|	F 1		
L	2		|			W O R K				|	/ 1		
L	3		|		A H E A D					|			
			|							|	T m 2		


3. The creation of our first message is complete. Now we want to show the message on the Sign.

Push the  button. The **'MESSAGE OPTIONS'** screen will appear. Select **'Show Msg, No Save'** to show the message on your Sign.

M	E	S	S	A	G	E			O	P	T	I	O	N	S		-		
		S	h	o	w		M	s	g		&		S	a	v	e			
*		S	h	o	w		M	s	g	,	N	o		s	a	v	e		
		S	a	v	e		M	s	g		O	n	l	y					

Your message should now be displaying on the Sign.

■ Creating a More Featured Message


The following is a step-by-step tutorial detailing how to create a more featured message to show on your Sign. Complete the following steps from the main MENU screen. If you are not on the main MENU screen, press the  button.

- 1. Select the **'Create New Message'** option and push the  button


M	E	N	U	-	P	a	g	e	-	1				
*		C	r	e	a	t	e		N	e	w		M	e
		S	h	o	w		S	a	v	e	d		M	e
		E	d	i	t		M	e	s	s	a	g	e	

- 2. The message creation screen will appear as shown below.

L	1		|									|	F	1
L	2		|									|	/	1
L	3		|									|		
			|									|	T	m

- 3. Change to a 2 LINE message, by selecting the  Button and then type **"HELLO DRIVERS"** as shown below.





L 1		|				H E L L O				|	F 1	
L 2		|				D R I V E R S				|	/ 1	
		|								|	T m 2	

- 4. You can add additional frames to your message. Pushing the  button will create a new blank frame and the Frame# counter will increase, as highlighted.









L	1		|										|	F	2
L	2		|										|	/	2
L	3		|										|		
			|										|	T	m

NOTE: To Left align the text, press the  button twice. This applies for all line types

5. Type in the following text into the frame, “Roadwork Ahead”



- Press the  button to switch to CAPITAL letters and vice versa to switch back to Lower case letters.
- Likewise, the  button is used to select the symbols on the buttons 1 through to P in the top right hand corner on each button, for example press the  key and then the  button to select the ! symbol.

L 1		|			R	o	a	d							|	F 2
L 2		|			W	o	r	k							|	/ 2
L 3		|			A	h	e	a	d	!					|	
		|													|	T m

- You can apply a different colour to each line on the frame. Use the  button and then press the colour you want to use.     
Use the  and  keys first to select the line, then select the colour.
If you select the top line only then the whole frame will be shown that colour.
- You can also change the amount of time (in seconds) that the current frame is to be displayed.

6. Type “Please Drive Safely”, and select the colours, Green, Yellow and White as shown.

L 1	g	|			P	l	e	a	s	e					|	F 3
L 2	y	|			D	r	i	v	e						|	/ 3
L 3	w	|			S	a	f	e	l	y					|	
		|													|	T m 5



- 7. Changing FRAME TIME:** Push the  button. The “Frame Time” screen is displayed. Enter a number from 1 to 9 to set how many seconds this frame will show on the Sign. Push the  button to set the value and return to the message editing screen. For this example, enter 5 seconds. This is then shown, as highlighted above.



F	R	A	M	E		T	I	M	E	-							
E	n	t	e	r		D	i	s	p	l	a	y		T	i	m	e
f	o	r		f	r	a	m	e	:		5						
(	T	h	e	n		p	r	e	s	s		E	N	T	E	R)


Note: The frame time for each frame is normally set to 2 Seconds

8. The FIRST, PREVIOUS, NEXT, and LAST buttons     are used to move between frames.

To go back to the LAST frame, push the  button.

9. **Adding an IMAGE:** To add an image to the message, create a new frame by pressing the  key and then push the  button. The “Select Image” screen is displayed. For the purpose of this example, select 04 which is the ‘80 Speed Limit’ image.

Or use the  and  keys, to select the desired image next to the asterisk.

Push the  button to select this image.

P	R	E	D	E	F	I	N	E	D		I	M	A	G	E	S	>	0	4
	4	0		S	p	e	e	d		L	i	m	i	t					
	6	0		S	p	e	e	d		L	i	m	i	t					
*	8	0		S	p	e	e	d		L	i	m	i	t					

I	M	G	|					8	0							|	F	4	
#	4		|				S	p	e	e	d					|	/	4	
			|				L	i	m	i	t					|			
			|													|	T	m	2

■ Predefined Images



01 - 40 Speed Limit



05 - 90 Speed Limit



09 - Bike Only



13 - Bus Lane Only



17 - Flagman



21 - Keep Left



25 - Lane Closed --



29 - Line Marking 1



33 - No Buses



37 - No U Turn



41 - One Way 4



45 - Railway X



49 - Road Work Ahead



53 - Slow (Invert)



02 - 60 Speed Limit



06 - Accident Ahead



10 - Bike Pedestrian



14 - Bus



18 - Form 1 Lane



22 - Lane Closed II-



26 - Lane Closed Merge Right



30 - Line Marking 2



34 - No Cars



38 - One Way (Left)



42 - Parking Disabled



46 - Right Only



50 - Round About



54 - Slow (Solid)



03 - 70 Speed Limit



07 - Arrow1



11 - Blasting



15 - Danger Gas



19 - Form 2 Lanes



23 - Lane Closed I--



27 - Left Lane



31 - Loose Stones (Pic)



35 - No Left Turn



39 - One Way (Right)



43 - Plane



47 - Road Narrows I-



51 - Slippery When Wet (Pic)



55 - SLOW DOWN



04 - 80 Speed Limit



08 - Bike Only INVERT



12 - Bridge Down



16 - Exit Closed



20 - Giveaway



24 - Lane Closed -II



28 - Left Only



32 - Loose Stones



36 - No Right Turn



40 - One Way 3



44 - Rail X'ing



48 - Road Narrows -I



52 - Slippery When Wet



56 - Steep Climb



57 - Steep Descent



61 - Straight Only



65 - Warning 11



69 - Warning Arrows Right



73 - Warning Cross-roads



77 - Warning Lights



81 - Divided Road Ahead



85 - Warning Stop Sign



89 - Warning Right Bend



93 - Right Arrow Dots



7 - Down Right Arrow is Detour Right



58 - STOP



62 - TOO FAST slow down



66 - Warning 12



70 - Warning Bendy Road



74 - Warning Fork



78 - Warning Road Joins



82 - Warning Roundabout



86 - Warning T Intersection



90 - Workman



94 - Left Arrow



98 - Up Arrow



59 - Stop (Solid)



63 - Twoway



67 - Warning 13



71 - Warning Bump



75 - Warning Giveway



79 - Warning Road Narrows



83 - Warning Sharp Right



87 - Warning T Intersection2



91 - DataSigns Logo



95 - Right Arrow



99 - Down Arrow



60 - Stop (Invert)



64 - U-Turn



68 - Warning Arrows Left



72 - Warning Corner Right



76 - Warning Hairpin bend



80 - Warning Road Narrows2



84 - Warning Sharp Road bend



88 - Warning Truck



92 - Left Arrow Dots




96 - Down Left Arrow is Detour Left




(blank)

The creation of our message is finished. Now we want to save the message. Push the

 button. The **'MESSAGE OPTIONS'** screen will appear. Select **'Save Msg Only'** to save the message.

M	E	S	S	A	G	E			O	P	T	I	O	N	S		-			
		S	h	o	w		M	s	g		&		S	a	v	e				
		S	h	o	w		M	s	g	,	N	o		s	a	v	e			
*		S	a	v	e		M	s	g		O	n	l	y						


10. In the **'SAVE MESSAGE AS'** screen type **"TESTMSG1"** as the name of the message, then press the  button.

S	A	V	E		M	E	S	S	A	G	E		A	S		-			
E	n	t	e	r		n	a	m	e		f	o	r		t	h	i	s	
M	e	s	s	a	g	e	:	T	E	S	T	M	S	G	1				
(	T	h	e	n		p	r	e	s	s		E	N	T	E	R	.)	

A confirmation screen will inform you that the message has been saved.

■ Editing a Saved Message

The following is an example of how to edit a message. Complete the following steps from the MENU screen.

1. Using the  and  keys, select the **'Edit Message'** menu item.

M	E	N	U	-	P	a	g	e	-	1									
		C	r	e	a	t	e		N	e	w		M	e	s	s	a	g	e
		S	h	o	w		S	a	v	e	d		M	e	s	s	a	g	e
*		E	d	i	t		M	e	s	s	a	g	e						

2. The **'SELECT MSG - 1/'** screen will appear. Select the message **'TESTMSG1'**.

S	E	L	E	C	T		M	S	G		-		1	/					
		M	S	G	1														
*		T	E	S	T	M	S	G	1										
		M	S	G	2														

3. The message that we created earlier is opened for editing.

L	1		|				H	E	L	L	O					|	F	1	
L	2		|				D	R	I	V	E	R	S			|	/	1	
			|													|	T	m	2

4. Let's changed the first frame text from "HELLO DRIVERS" to "Caution Ahead".
Simply overwrite the *HELLO* with *Caution*.

Use the  key to move to the 2nd line and overwrite *DRIVERS* with *Ahead*.

L	1		|			C	a	u	t	i	o	n			|	F	1	
L	2		|			A	h	e	a	d					|	/	1	
			|												|	T	m	2

5. Now we want to save the edited message.

Push the  button.


Select the '**Save Msg Only**' option and push the  button:

M	E	S	S	A	G	E			O	P	T	I	O	N	S		-	
		S	h	o	w		M	s	g		&		S	a	v	e		
		S	h	o	w		M	s	g	,	N	o		s	a	v	e	
*		S	a	v	e		M	s	g		O	n	l	y				

A confirmation screen will inform you that the message has been saved.

■ Show a previously Saved Message


To select a previously saved message to display on the Sign complete the following steps.

1. Select '**Show Saved Message**' item from the main MENU and push the  button.

M	E	N	U	-	P	a	g	e	-	1							
		C	r	e	a	t	e	N	e	w	M	e	s	s	a	g	e
*		S	h	o	w	S	a	v	e	d	M	e	s	s	a	g	e
		E	d	i	t	M	e	s	s	a	g	e					

2. From the '**Select Msg - 1/**' screen, select '**TESTMSG1**' message and push the  button.

S	e	l	e	c	t	M	s	g	-	1	/							
U	s	e		E	N	T	E	R		t	o	s	e	l	e	c	t	:
*		T	E	S	T	M	S	G	1									

3. A confirmation screen will appear. Push the  button to return to the main MENU.
Your message should now be displaying on the Sign.

■ Delete Messages

To delete a message from memory, complete the following steps. These are messages that have previously been created and saved on this VMS COMPUTER.


1. Select '**Delete Message**' from the main MENU and push the  button.

M	E	N	U	-	P	a	g	e	-	2							
*		D	e	l	e	t	e	M	e	s	s	a	g	e			
		S	h	o	w	D	S	-	L	i	v	e	M	S	G		
		R	e	s	u	m	e	D	S	-	L	i	v	e	M	S	G

2. From the '**Select Msg - 1/**' screen, select '**TESTMSG1**' message and push the  button.

S	e	l	e	c	t	M	s	g	-	1	/							
U	s	e		E	N	T	E	R		t	o	s	e	l	e	c	t	:
*		T	E	S	T	M	S	G	1									

Repeat the above steps if you wish to delete more messages.


Push the  button to return to the main MENU.

■ Show DS-Live™ Messages


This menu option lets you display messages created by DS-Live™ and previously sent to the Sign. Complete the following steps to run a DS-Live™ message on the Sign:

1. Select '**Show DS-Live™ MSG**' option.

M	E	N	U	-	P	A	G	E	-	2								
		D	e	l	e	t	e	M	e	s	s	a	g	e				
*		S	h	o	w		D	S	-	L	i	v	e	M	S	G		
		R	e	s	u	m	e		D	S	-	L	i	v	e	M	S	G

2. Select a DS-Live™ message to display on the Sign. Push the  button to continue. A confirmation screen will appear and the DS-Live™ message should now be displayed on the Sign.

S	e	l	e	c	t		0	1	/									
		M	S	G	1													
*		M	S	G	2													
		M	S	G	3													

3. A confirmation screen will appear. Push the  button to return to the main MENU. Your message should now be displaying on the Sign.

■ Resume DS-Live™ Message

When this menu option is selected the Sign will display the last message sent from DS-Live™. Any message showing on the Sign from VMS COMPUTER will no longer be displayed.

Complete the following steps to resume the DS-Live™ message to display on the Sign.

1. Select the '**Resume DS-Live MSG**' option from the MENU, then press .

M	E	N	U	-	P	A	G	E	-	2								
		D	e	l	e	t	e	M	e	s	s	a	g	e				
		S	h	o	w		D	S	-	L	i	v	e	M	S	G		
*		R	e	s	u	m	e		D	S	-	L	i	v	e	M	S	G

The last DS-Live™ Message should now be displaying on the Sign.



■ Security Settings

This allows you to set the Security Settings between the VMS Computer and the Sign. A two-tier password scheme is provided for maximum security.

As a newly purchased unit, the pin is set to '0000'. If the pin is changed but you do not remember the new pin and it is entered incorrectly 5 times, the VMS COMPUTER will lock you out and display a challenge Code. *Contact your Company's DS-Live™ Administrator who can provide the code to reset the VMS Computer pin back to 0000.*

Also, as a new purchased unit, the VMS Password is set to '123456'

V	M	S		P	A	S	S	W	O	R	D		-	1	2	3	4	5	6
E	n	t	e	r		p	a	s	s	w	o	r	d		f	o	r		
t	h	i	s		s	i	g	n	:										
(	t	h	e	n		p	r	e	s	s		E	N	T	E	R)		

If you have the incorrect VMS Password and you try to update the Sign you will be prompted to enter the correct password. The last saved VMS Password used by this VMS Computer is shown on the top line. You can simply push the  button if this Password is correct, otherwise enter the Password first and then press .

Change Login Pin

You can change the pin that you use to login to the VMS COMPUTER using the menu below.

V	M	S		C	O	M	P	U	T	E	R		O	P	T	N	S		-
*		C	h	a	n	g	e		L	o	g	i	n		P	I	N		

Enable Login


If the Login Pin is enabled, a 4-digit pin is required whenever the VMS COMPUTER starts up. This can be disabled using the **Enable Login** menu item if required.

Data Signs recommends leaving the Login Pin enabled for greater security and preventing unauthorised persons from putting messages onto your Sign.

Change VMS Password

This is the second-tier security password requirement for allowing messages to be sent to the Sign. If the VMS Password set on the *VMS COMPUTER* does not match the *VMS Password on the Sign*, then you will not be able to update messages.

To set the VMS Password on the VMS COMPUTER, complete the following steps:

- 1. Select the **'Change VMS Pwd'** from the **'VMS COMPUTER Optns'** menu.
- 2. Enter the VMS Password, (6 characters) for the Sign and then push the  button.

V	M	S		P	A	S	S	W	O	R	D		-	1	2	3	4	5	6
E	n	t	e	r		p	a	s	s	w	o	r	d		f	o	r		
t	h	i	s		s	i	g	n	:										
(	t	h	e	n		p	r	e	s	s		E	N	T	E	R)		

If you have an incorrect VMS Password and you try to update the Sign you will be prompted to enter the correct password. *The actual Sign 'VMS Password' can only be changed by **your Company Administrator** via DS-Live™.*

Enable VMS Password Login

V	M	S		C	O	M	P	U	T	E	R		O	P	T	N	S		-
*		V	M	S		P	a	s	s	w	o	r	d		E	n	t	r	y

If the VMS Password Entry is enabled, the VMS Password is required on Start-up.

■ Advanced Feature Menu options

Below are more advanced menu items that are used for the VMS COMPUTER, these do not form part of the scope of this Quick Guide and additional information or 'Training' for this is available from Data Signs. See datasigns.com.au/ServiceSupport/HelpDesk

M	E	N	U	-	P	a	g	e	-	3					
*		U	i	e	w	S	i	g	n	S	t	a	t	u	s
		R	a	d	a	r	O	p	t	i	o	n	s		
		F	a	c	t	o	r	y	S	e	t	u	p		

M	E	N	U	-	P	a	g	e	-	4							
*		T	i	m	e	O	f	f	s	e	t	A	d	j			
		T	i	m	e	r	F	u	n	c	t	i	o	n	s		
		U	M	S	C	o	m	p	u	t	e	r	O	p	t	n	s

And via VMS **'Computer Optns'** Menu;

		S	t	a	t	u	s	B	t	n	F	u	n	c		
		S	e	t	B	r	i	g	t	n	e	s	s	L	v	i

■ If no response from Sign

- Ensure your Sign is switched on if you want to communicate from the VMS Computer to the Sign.
- DS-Live™ communication is currently in progress.
- Incorrect VMS Password. See Security Settings section.
- Ensure the SD card is correctly inserted.