

TMV7A.EXE
SOFTWARE TEST PROCEDURES
VOL 2-2
PROGRAM LAUNCH
Ver. 1.0.0
Jan 12, 2014

1. Initial Installation

Step	Test	Result
	This tests the initial launch of the application after installation. There is no .ini file, no TMV folder or files, no COM port has been assigned, no radio is connected and registration has not been completed	
1	Delete the TMV7.ini file.	
2	Delete the TMVFiles folder.	
3	Launch the application.	
4	Ensure the TMV7A.EXE splash screen is displayed.	_____
5	Ensure the splash screen is automatically closed after 5 seconds .	_____
6	Ensure the Initial Installation Information message " Creating the TMVFiles Folder. " is displayed	_____
7	Select the <OK> button.	
8	Ensure the message is dismissed.	_____
9	Ensure the TMV7A Information message " Creating a Default.tmv file. " is displayed.	_____
10	Select the <OK> button.	
11	Ensure the message is dismissed .	_____
12	Ensure the No COM Port Configured Information message " Please enter a COM Port " is displayed.	_____
13	Select the <OK> button.	
14	Ensure the message is dismissed .	_____
15	Ensure the COM Port Selection dialogue box is displayed.	_____
16	Select COM port 13 in the spin-edit control and select the <OK> button.	
17	Ensure the dialogue box is dismissed .	_____
18	Ensure the Error message " Unable to Open COM13. This is probably due to an invalid COM port selection. Select the correct COM port. " is displayed.	_____
19	Select the <OK> button.	
20	Ensure the error message is dismissed .	_____

Step	Test	Result
21	Ensure the COM Port dialogue box is displayed.	_____
22	Select COM port 13 in the spin-edit control and select the <OK> button.	_____
23	Ensure the dialogue box is dismissed .	_____
24	Ensure the error message " Unable to Open this port as well. There appears to be a system problem. " is displayed.	_____
25	Select the <OK> button.	_____
26	Ensure the Program Not Registered dialogue box is displayed.	_____
27	Select the <Cancel> button.	_____
28	Ensure the Please Register Information message " Please consider registration in the future. " is displayed.	_____
29	Select the <OK> button.	_____
30	Ensure the Information message is dismissed.	_____
31	Ensure the Program Not Registered dialogue box is dismissed.	_____
32	Ensure the TMV7 Main Form is displayed.	_____
33	Ensure the " TMV7 OFF LINE " Static Text is displayed in the centre of the form with Bold Red text.	_____
34	Ensure the VHF Volume control is disabled.	_____
35	Ensure the VHF Squelch control is disabled.	_____
36	Ensure the VHF Up-Down control is disabled.	_____
37	Ensure the Mute button is disabled.	_____
38	Ensure the Reverse button is disabled.	_____
39	Ensure the RF Power button is disabled.	_____
40	Ensure the UHF Up-Down control is disabled.	_____
41	Ensure the On-Off button is disabled.	_____
42	Left-Click the FAV01 button and ensure nothing happens.	_____
43	Right-Click the FAV01 button and ensure the Data Entry form is displayed. Cancel the form.	_____
44	Left-Click the FAV02 button and ensure nothing happens.	_____

Step	Test	Result
45	Right-Click the FAV02 button and ensure the Data Entry form is displayed. Cancel the form.	_____
46	Left-Click the FAV03 button and ensure nothing happens.	_____
47	Right-Click the FAV03 button and ensure the Data Entry form is displayed. Cancel the form.	_____
48	Left-Click the FAV04 button and ensure nothing happens.	_____
49	Right-Click the FAV04 button and ensure the Data Entry form is displayed. Cancel the form.	_____
50	Left-Click the FAV05 button and ensure nothing happens.	_____
51	Right-Click the FAV05 button and ensure the Data Entry form is displayed. Cancel the form.	_____
52	Left-Click the FAV06 button and ensure nothing happens.	_____
53	Right-Click the FAV06 button and ensure the Data Entry form is displayed. Cancel the form.	_____
54	Left-Click the FAV07 button and ensure nothing happens.	_____
55	Right-Click the FAV07 button and ensure the Data Entry form is displayed. Cancel the form.	_____
56	Left-Click the FAV08 button and ensure nothing happens.	_____
57	Right-Click the FAV08 button and ensure the Data Entry form is displayed. Cancel the form.	_____
58	Left-Click the FAV09 button and ensure nothing happens.	_____
59	Right-Click the FAV09 button and ensure the Data Entry form is displayed. Cancel the form.	_____
60	Left-Click the FAV10 button and ensure nothing happens.	_____
61	Right-Click the FAV10 button and ensure the Data Entry form is displayed. Cancel the form.	_____
62	Left-Click the FAV11 button and ensure nothing happens.	_____
63	Right-Click the FAV11 button and ensure the Data Entry form is displayed. Cancel the form.	_____
64	Left-Click the FAV12 button and ensure nothing happens.	_____
65	Right-Click the FAV12 button and ensure the Data Entry form is displayed. Cancel the form.	_____
66	Select the Configure ! COM Port menu item	
67	Ensure the Select Port menu item is enabled	_____
68	Ensure the Open Port menu item is enabled	_____
69	Ensure the Close Port menu item is disabled.	_____
70	Ensure the text " None " is displayed in the COM Port panel of the Status Bar.	_____

Step	Test	Result
71	Ensure the TMV7 file name on the Main form Status Bar is ""Default.tmv".	_____
72	Close the application.	
73	Ensure that a "TMVFiles" subfolder has been created.	_____
74	Ensure a "Default.tmv" data file has been created in the TMVFiles folder.	_____
75	Open the "Default.tmv" data file and ensure it matches the default.tmv file listed in Appendix A .	
76	Ensure that a TMV7A.ini file has been created in the application folder.	_____
77	Open the TMV7A.ini file and ensure it matches the TMV7A.ini file listed in Appendix B .	_____

2. Program Launch 1

Step	Test	Result
	This tests the launch of the application after the .ini file has been deleted. There is a Default.tmv file in the TMVFiles folder. There is no COM Port configured. There is no radio connected and registration has not been completed. This tests the capability to create a "new" .ini file if necessary.	
1	Delete the TMV7.ini file.	
2	Ensure the default.tmv file is in the TMV folder.	
3	Launch the application and wait for the Splash Screen to close.	
4	Select the <OK> button to the TMV7 message "Select a .tmv file."	
5	Ensure the Open TMV File dialogue box is displayed.	_____
6	Ensure the TMVFiles Folder is displayed.	_____
7	Ensure the file Default.tmv is in the TMVFiles folder.	_____
8	Select the <Cancel> button.	
9	Ensure the TMV7A message "Selection cancelled. Using Default.tmv." is displayed.	_____
10	Select the <OK> button.	
11	Select the <OK> button on the No COM Port Configured information message.	
12	Select COM port 13 in the spin-edit control and select the <OK> button.	

Step	Test	Result
13	Select the <OK> button on the Error message.	
14	Select COM port 13 in the spin-edit control and select the <OK> button.	
15	Select the <OK> button of the Error message.	
16	Select the <Cancel> button of the TMV7 Not Registered dialogue box.	
17	Select the <OK> button of the Please Register message box.	
18	Ensure the TMV7 Main Form is displayed.	_____
19	Ensure the TMV7 file name on the Main form Status Bar is ""Default.tmv".	_____
20	Close the application.	
21	Ensure that a TMV7A.ini file has been created in the application folder.	_____
22	Delete the TMV7.ini file.	
23	Launch the application and wait for the Splash Screen to close.	
24	Select the <OK> button to the TMV7 message " Select a .tmv file. ".	
25	Select the Default.tmv file in the Open TMV7 File dialogue box and select the <Open> button	
26	Select the <OK> button on the No COM Port Configured information message.	
27	Select COM port 13 in the spin-edit control and select the <OK> button.	
28	Select the <OK> button on the Error message.	
29	Select COM port 13 in the spin-edit control and select the <OK> button.	
30	Select the <OK> button of the Error message.	
31	Select the <Cancel> button of the TMV7 Not Rergistered dialogue box.	
32	Select the <OK> button of the Please Register message box.	
33	Ensure the TMV7 Main Form is displayed.	
34	Ensure the TMV7 file name on the Main form Status Bar is ""Default.tmv".	_____
35	Close the application.	
36	Ensure that a TMV7A.ini file has been created in the application folder.	

3. Program Launch 2

Step	Test	Result
	This tests the launch of the application with an empty TMV File folder. It tests that the absence of any TMV file causes the creation of the Default.tmv file to enable the program to run correctly. The previous COM port (13) was invalid so no COM Port is configured. There is no radio connected and registration has not been completed	
1	Delete the all .tmv files from the TMVFiles folder.	
2	Launch the application.	
3	Ensure the TMV7A message “ Creating a default.tmv file. ” is displayed.	_____
4	Select the <OK> button.	
5	Select the <OK> button on the No “ COM Port Configured ” Information message.	
6	Select the <OK> button.	
7	Select COM port 13 in the spin-edit control and select the <OK> button.	
8	Select <OK> on the Error message.	
9	Select COM port 13 in the spin-edit control and select the <OK> button.	
10	Select <OK> on the Error message.	
11	Cancel the Registration dialogue box.	
12	Select <OK> on the Please Register message box.	
13	Ensure the TMV7 file name on the Main form Status Bar is “ Default.tmv ”.	_____
14	Close the application.	
15	Ensure a “ default.tmv ” data file has been created in the TMVFiles folder.	_____

4. Program Launch 3

Step	Test	Result
	This tests the launch of the application without the last used TMV File available. It tests that the user is notified of the error and is given the option of selecting another TMV file to enable the program to run correctly. If the user cancels the selection, a new Default.tmv file is created. The previous COM port (13) was invalid so no COM Port is configured, There is no radio connected and registration has not been completed	
	Rename the Default.tmv file to Launch.tmv .	
	Launch the Application.	
	Ensure the TMV7A message " Select a .tmv file. " is displayed.	_____
	Select the <OK> button.	
	Ensure the Open TMV File dialogue box is displayed.	_____
	Ensure the file Launch.tmv is visible in the TMV7Files folder.	_____
	Select the file Launch.tmv and select <Open> .	
	Dismiss the "No COM Port Configured message".	
	Select COM 13 and select <OK> .	
	Dismiss the error message.	
	Select COM 13 and select <OK> .	
	Dismiss the error message.	
	Cancel lthe TMV7A Not Registered dialogue box.	
	Dismiss the Please Register message.	
	Ensure the Main form is displayed.	
	Ensure the file Launch.tmv is displayed in the Status bar.	
	Close the Application.	

5. Program Launch 4

Step	Test	Result
	This tests the launch of the application and the selection of a valid COM Port. The operator is prompted for a valid COM port. There is no radio connected and registration has not been completed	
1	Ensure the TMV7 is not connected to the USB to Serial cable .	
2	Ensure the USB to Serial cable is plugged into a valid COM port (VISTA USB COM Port 2, Notebook USB COM Port 1 or ACER USB COM Port 4).	
3	Launch the Application.	
4	Select the <OK> button on the No COM Port Configured Information message.	
5	Enter a valid COM Port (See Step 2) into the spin edit text box and select <OK> .	
6	Ensure the Error message "Send Data Timeout" message is displayed.	_____
7	Select the <OK> button.	
8	Ensure the Error message is dismissed.	_____
9	Ensure the Error message " Unable to communicate... " is displayed.	_____
10	Select <OK> .	
11	Ensure the Error message is dismissed.	_____
12	Cancel the TMV7A Not Registered dialogue box.	
13	Dismiss the Please Register message.	
14	Ensure the Main form is displayed.	
15	Ensure the text TMV7 OFF LINE is displayed on the Main form.	_____
16	Ensure the COM Port panel of the Status Bar displays " COMn – Closed ".	_____
17	Close the Application.	

6. Program Launch 5

Step	Test	Result
	This tests the launch of the application without the last used TMV File available. It tests that if the user cancels the selection another TMV file and the default.tmv file is not available, then it is automatically created to enable the program to run correctly. The last used COM port (22) is automatically used, there is no radio connected and registration has not been completed	

7. Program Launch 6

INI File, TMV File, Valid COM Port, No Radio and No Registration.

Step	Test	Result
	Launch the application.	
18	Select the Configure ! COM Port menu item	
19	Ensure the Select Port menu item is disabled	_____
20	Ensure the Open Port menu item is disabled	_____
21	Ensure the Close Port menu item is enables.	_____

INI File, TMV File, Valid COM Port, Radio On and No Registration.

Page 14 of 16

Step	Test	Result