K2+ ISM-EM SystemMonitor Combined Test System

How to install software

IMV CORPORATION

Type of Document : Instruction Manual

System Applied :

IMV Installer K2+ ISM-EM SystemMonitor Combined Test System

later than Version 20.0.0 later than Version 5.0.0 later than Version 5.0.0 later than Version 5.0.0

English Edition

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Contents

Chapter 1 Overview 1-1
Chapter 2 Installing the Software
2.1 Installation of License
2.1.1 Installation of IMV Licence
2.2 I Installation of Application 2-5
2.2.1 Start installation of IMV Smart Setup 2-5
2.2.2 Installation of IMV Startup
2.2.3 Installation of K2+ software
2.2.4 Installation of K2+ manual
2.2.5 Installation of ISM-EM 2-21
2.2.6 Installation of K2+ SystemMonior
2.2.7 Installation of Combined Test System
2.2.8 Finish the installation of IMV Smart Setup
2.2.9 Automatic execution of IMV Start Up 2-38
Chapter 3 Uninstalling the Software
3.1 Uninstallation of License
3.1.1 Uninstallation of IMV Licence
3.2 Uninstallation of Application 3-4
3.2.1 Uninstallation of IMV Smart Setup
Chapter 4 Upgrading the Software
Chapter 5 Supplemental Explanation
5.1 Setting of PC 5-1
5.2 Network setting of PC for K2+

Chapter 1 Overview

This manual explains how to install the main software used in the vibration test equipment. The software you have purchased are installed in batches. The same applies to uninstallation.

The software to be installed in a batch are as follows

- IMV Startup
- K2+ later than Version 20.0.0
- ISM-EM later than Version 5.0.0
- SystemMonitor later than Version 5.0.0
- Combined Test System later than Version 5.0.0

Only the software you have purchased is installed, but IMV Startup is always installed.

The installers comprise the following two installers shown below.

- 1) License installer (IMV Licence) Install the license information.
- Application installer (IMV Smart Setup) Install the application software, manuals (PDF) and drivers.

Always install them in the following order: 1) License installer, 2) Application installer

Chapter 2 Installing the Software

2.1 Installation of License

To install the software, <u>log in to the Windows operating system using the username with the</u> <u>"Administrator" right.</u>

2.1.1 Installation of IMV Licence

<Step 1>

Double-click the icon of 'LicenseSetup.exe' in the Disk1.



Press the button of [Yes] if the screen of 'User Account Control' appears.



<Step 2>

The initial screen of installation appears. Press the button of [Next].



<Step 3>

The screen of starting installation appears. Press the button of [Install].

Then, installation of the license information is started.



<Step 4>

After the installation is completed, the screen noticing the completion of installation appears. Press the button of [Finish].



Then, installation of license information is complete.

Proceed to installation of application.

2.2 I Installation of Application

To install the software, log in to the Windows operating system using the username with the

"Administrator" right.

2.2.1 Start installation of IMV Smart Setup

IMV Smart Setup will install the software you have purchased.

<Step 1>

Double-click the icon of 'Setup.exe' in the Disk2.



Press the button of [Yes] if the screen of 'User Account Control' appears.



<Step 2>

The initial screen of IMV Smart Setup installation of appears. Press the button of [Next].

IMV Smart setup Ver20.0.0.0	>	<
	Welcome to the InstallShield Wizard for IMV Smart setup The InstallShield Wizard will install IMV Smart setup on your computer. To continue, click Next.	
InstallShield	< Back Next > Cancel	

<Step 3>

The screen of starting installation appears. Press the button of [Install].

Installation is started.

MV Smart setup Ver20.0.0.0		×
Ready to Install the Program The wizard is ready to begin in	stallation.	
	Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	
InstallShield	< Back Install Cancel	0

Proceed to installation of IMV Startup.

2.2.2 Installation of IMV Startup

The installation of IMV Startup will begin automatically.

<Step 1>

The initial screen of installation appears. Press the button of [Next].



<Step 2>

The screen of starting installation appears. Press the button of [Install].

Installation is started.



<Step 3>

When installation is complete, the screen of noticing the completion of installation appears. Press the button of [Finish]



Proceed to the next section.

2.2.3 Installation of K2+ software

If you have purchased K2+, the installation of the K2+ software will begin automatically. If you have not purchased it, please continue to the next section.

<Step 1>

The initial screen of installation appears. Press the button of [Next].



<Step 2>

The screen of setting the installation conditions appears.

After finishing the required setting, press the button of [Next].

Items shown in the list are as follows. <u>Select all the items, normally.</u>

- Protect device Driver: The device driver of protect device is installed.
- Windows Setting for K2: Setting of the PC "Section 5.1" is executed for using the K2+.

+ Application Ver20.0.0.0		
Select the features setur	will install.	
	Select the features you want to install, and deselect Protect device Driver Windows Setting for K2 -Destination Folder- C:\Program Files\IMV\K2_Plus	: the features you do not want to install. 21 MB 1 MB
	Space Required on C: 241 Space Available on C: 58491	MB Disk <u>S</u> pace
Install Shield	< <u>B</u> ack <u>N</u> ext >	Cancel

<Step 3>

The screen of starting installation appears. Press the button of [Install].

Installation is started.



<Step 4>

After the installation of K2+ software is finished, screen of starting the installation of the device driver of protect device appears.

Press the button of [Next].



<Step 5>

After installation of the protect device driver is finished, the screen of noticing the completion of installation appears.

Press the button of [OK].



<Step 6>

The screen of starting the setting of PC for the use of K2+ appears.

Press the button of [Next].

Then, the PC setting process is started.



<Step 7>

When installation is complete, the screen of noticing the completion of installation appears. Press the button of [Finish]



After the installation of IMV Smart Setup is completed, a shortcut "K2+Launcher" will be created on the desktop.



Proceed to the next section.

2.2.4 Installation of K2+ manual

If you have purchased K2+, the installation of the K2+ manual will begin automatically. If you have not purchased it, please continue to the next section.

<Step 1>

The initial screen of installation appears. Press the button of [Next].



<Step 2>

The screen of selecting the language of manual appears. Select your desired language, and press the button of [Next].

	*			
K2 Manual Ver20.0.0.0				×
Setup Type Select the setup type that be	t suits your needs.			
	Please select laungage. Japanese English Chinese			
InstallStield	<	Back	Next >	Cancel

<Step 3>

The screen of starting installation appears. Press the button of [Install]. Installation is started.



<Step 4>

When installation is complete, the screen of noticing the completion of installation appears. Press the button of [Finish]



Proceed to the next section.

2.2.5 Installation of ISM-EM

If you have purchased ISM (Eco-Shaker), the installation of the ISM software will begin automatically.

If you have not purchased it, please continue to the next section.

<Step 1>

The initial screen of installation appears. Press the button of [Next].



<Step 2>

The screen of starting installation appears. Press the button of [Install]. Installation is started.



<Step 3>

After the installation of ISM software is finished, screen of starting the installation of the device driver of protect device appears.

Press the button of [Next].

ISMEM Ver5.0.0.0			×
Protect device Driver			E
Settings of the Computer for K2 Software.		L	
Click Next to begin the installation of Hasp Drive (Installing may take for a few minutes.)	r.		
InstallShield			
	< Back	Next >	Cancel
			Υ <mark>μ</mark>
			\cup

<Step 4>

After installation of the protect device driver is finished, the screen of noticing the completion of installation appears.

Press the button of [OK].

Sentinel Run-time Environment Insta $ imes$
Operation successfully completed.
ОК

<Step 5>

The screen of starting the setting of PC for the use of ISM appears.

Press the button of [Next].

Then, the PC setting process is started.

• Windows Setting for ISM: Setting of the PC "Section 5.1" is executed for using the ISM.

ISMEM Ver5.0.0.0 Windows Setting for ISM	×
Make the following settings.	
Performance Options	
Task Scheduler	
Power Options	
InstallShield	
	< <u>B</u> ack Net > Cancel
	Ť <mark>P</mark>

<Step 6>

When installation is complete, the screen of noticing the completion of installation appears. Press the button of [Finish]

MEM Ver5.0.0.0	
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed ISM-EM Application. Click Finish to exit the wizard.
InstallShield	< Back Cancel

Proceed to the next section.

2.2.6 Installation of K2+ SystemMonior

If you have purchased SystemMonior, the SystemMonior installation will begin automatically. If you have not purchased it, please continue to the next section.

<Step 1>

The initial screen of installation appears. Press the button of [Next].



<Step 2>

A screen to select optional features appears.

Select required features and click on the [Next] button.

SystemMonitor Ver5 0.0.0		×
Select Features		~
Select the features setup will	nstall.	
	Select the features you want to install, and deselect the fe Camera Chamber Chamber Destination Folder C:\Program Files\IMV\SystemMonitor Space Required on C: 27 MB Space Available on C: 57934 MB	atures you do not want to install. O MB O MB Browse Disk Space
Install Shield	< Back Next >	Cancel
		×

- Note) 1: <u>Select "Camera" only if a web camera is used.</u> Installing the camera feature without the use of a web camera may cause the system to be unstable.
 - 2: <u>Select "Chamber" only if a temperature/humidity test system with an IMV constant</u> <u>temperature/humidity chamber controller.</u> Installing the chamber feature without the use of a temperature/humidity test system may cause the system to be unstable. It may also have an adverse effect on the LAN environment if it is used.

<Step 3>

A screen to select language appears. Select language and click on the [Next] button.

SystemMonitor Ver5.0.0.0		/		×
Setup Type Select the setup type that be	st suits your needs.			
	Please select raun • Lapanese • English • German	gage.		
InstallShield		< <u>B</u> ack	Next >	Cancel

<Step 4>

A screen to select Vibration Controller appears. Select the installed Vibration Controller and click on the [Next] button.



Note) The wrong selection causes malfunction of SystemMonitor.

<Step 5>

A screen to select Amplifier Controller appears. Select the installed Amplifier Controller and click on the [Next] button.

SystemMonitor Ver5.0.0.0		×
Setup Type Select the setup type that be:	it suits your needs.	
	 Please select the communication mode of the amplifier controller. SA-170 (MB) SA-150/SA-160 (Serial) Remote (Only if the remote controller [SA-162 or SA-152] is installed in amplif 	ier)
InstallShield	< Back Next >	Cancel

Note) The wrong selection causes malfunction of SystemMonitor.

Select "Remote" only if the remote controller(SA-162 or SA152) is installed in amplifier.

The wrong selection causes malfunction of vibration test system.

<Step 6>

The screen of starting installation appears. Press the button of [Install]. Installation is started.



<Step 7>

When installation is complete, the screen of noticing the completion of installation appears. Press the button of [Finish]



Proceed to the next section.

2.2.7 Installation of Combined Test System

If you have purchased Combined Test System, the installation of the Combined Test System software will begin automatically.

If you have not purchased it, please continue to the next section.

<Step 1>

The initial screen of installation appears. Press the button of [Next].



<Step 2>

The installation folder selection screen appears. Click the "Next" button.



<Step 3>

The screen of starting installation appears. Press the button of [Install].

Installation is started.



<Step 4>

When installation is complete, the screen of noticing the completion of installation appears. Press the button of [Finish]



Proceed to the next section.

2.2.8 Finish the installation of IMV Smart Setup

After all the software purchased is installed, IMV Smart Setup will complete the installation process.

<Step 1>

The installation complete screen of IMV Smart Setup will appear.

Select "Yes, I want to restart my computer now" and click on the [Finish] button.

The PC will be restarted.



After the PC completed its restart, installation of the application is completed.

IMV Start Up is automatically launched after Windows is started. For details, please refer to "2.2.9 IMV Start Up".

If the protect device is inserted into the PC, the protect device becomes valid.

2.2.9 Automatic execution of IMV Start Up

After IMV Smart Setup is installed, the IMV Startup will be automatically executed after the PC is booted.

The IMV Startup will configure the settings necessary to run the software you have purchased and will automatically close when the settings are completed.



Chapter 3 Uninstalling the Software

3.1 Uninstallation of License

To uninstall the software, <u>log in to the Windows operating system using the username with the</u> <u>"Administrator" right.</u>

3.1.1 Uninstallation of IMV Licence

<Step 1>

Select 'IMV License' on the screen of 'Apps & features', and then, select 'Uninstall'.

← Settings		– 🗆 X
② Home	IMV License IMV CORPORATION	10/15/2020
Find a setting		Modify Uninstall
System	IMV Smart setup IMV CORPORATION	10/15/2020
I Apps & features	IMV Startup Application IMV CORPORATION	0/15/2020
I⊒ Default apps	Intel(R) Processor Graphics Intel Corporation	3.77 MB 5/6/2019
Notifications & actions	ISMEM IMV CORPORATION	10/15/2020

<Step 2>

When the confirmation screen appears, select "Uninstall".



<Step 2>

The message box asking the confirmation of uninstallation appears. Press the button of [Yes]. Then, uninstallation is started.



<Step 4>

After the uninstallation is completed, the screen noticing the completion of uninstallation appears. Press the button of [Finish].



Then, uninstallation of license is complete.

3.2 Uninstallation of Application

To uninstall the software, log in to the Windows operating system using the username with the

"Administrator" right.

3.2.1 Uninstallation of IMV Smart Setup

Uninstall all of your purchased software at once.

<Step 1>

Select 'IMV Smart Setup' on the screen of 'Apps & features', and then, select 'Uninstall'.



<Step 2>

When the confirmation screen appears, select "Uninstall".

÷	Settings				-		×
ŝ	Home		Hidden City: Hidde G5 Entertainment	en Object Adventure This app and its related	info	386 M will be	IR
Fir	nd a setting $ ho$	////	IMV Smart setup IMV CORPORATIC	uninstalled.		Uninst	all
Ţ	Display			Modify	- yr	ninstall	
	Apps & features	jint	IMV Startup Applic IMV CORPORATIO	cation A	Ď	/15/202	20
	Default apps		Intel(R) Processor	Graphics	J	3.77 N 5/6/20	IB 19
\Box	Notifications & actions	EM	ISMEM IMV CORPORATIO	N	10	/15/202	20
215	D						

<Step 3>

The message box asking the confirmation of uninstallation appears. Press the button of [Yes]. Then, uninstallation is started.

IMV Smart setup Ver20.0.0.0	\times
Do you want to completely remove the selected application and all of its features?	
Yes <u>N</u> o	

<Step 4>

fter the uninstallation of application is complete, the screen noticing the completion of uninstallation appears.

Select 'Yes, I want to restart my computer now', and press the button of [Finish]. Then, the PC is restarted.

IMV Smart setup Ver20.0.0.0	
	Uninstall Complete InstallShield Wizard has finished uninstalling IMV Smart setup.
	 Yes, I want to restart my computer now. No, I will restart my computer later. Remove any disks from their drives, and then click Finish to complete setup.
InstallShield	< Back Finish Cancei

After the restart of the PC is completed, the uninstallation of all applications is complete.

Chapter 4 Upgrading the Software

When upgrading the software, uninstall the software installed already, and then, install a new version software.

This procedure is common to the upgrading of all the "Application and License".

For operating procedures of the uninstallation of software, refer to "Chapter 3 Uninstallation of Software".

For operating procedures of the installation of software, refer to "Chapter 2 Installation of Software"

Chapter 5 Supplemental Explanation

5.1 Setting of PC

When using K2+ or ISM-EM, use the computer set as below during testing. Otherwise control devices may make operation errors.

After K2+ or ISM-EM installation, the computer is automatically set as below. Some of setting items below may be unused for some OS:

1) Do not use 'Power Options (Power Saving function) ' of PC

Please check that the all following items in 'Power Options Properties' set as 'Never'.

- Turn off monitor
- Turn off hard disks
- System standby
- 2) Disable the Windows tasks unnecessary for the controls that may be periodically executed.
 - System Restore (SR)
 - Power Efficiency Diagnostics (Analyze System)
- 3) Do not use the visual effects that load the computer, e.g., settings below:
 - Disable 'Enable desktop composition'.
 - Disable 'Display window content during dragging'.
 - Disable 'Enable transparency'.
- 4) Windows update setting is set to 'Check for updates but let me choose whether to install them'.

During testing, do not execute such programs as shown below since they load the computer:

- 1) Do not use antivirus software or Windows Update or other program update.
- 2) Do not use applications that use antivirus software scan or other computer resources.

Operation of software is guaranteed only with the conditions of PC at shipment. If operation system of PC is updated or any other software is installed after shipment, or under conditions other than those at shipment, operation of software is not guaranteed.

5.2 Network setting of PC for K2+

When using K2+, it is necessary to configure the network settings on your PC for K2+.

Normally, it is not necessary to change the IP address of the K2+I/O Unit from the factory settings, so change the IP address of your PC for K2+ to the following recommended settings.

The table below shows the factory default setting for the K2+ I/O Unit and recommended settings for the K2+ PC.

Item	PC for K2+	K2+I/O Unit
IP address	192.168.200.231	192.168.200.232
		(factory default setting)
Subnet mask	255.255.255.0	255.255.255.0
		(factory default setting)