



Automatic Mid-mesh Generation System

ver.9.0.4

Installation Manual



Integral Technology Co., Ltd.

http://www.integral-technology.co.jp

LATONA : Preparation before Installation

Firstly, install and set the license server for LATONA before installing the LATONA application. Refer to "*License_Server_Install_Manual_en.pdf*" for the installation of license server.

Secondly, LATONA requires HyperWorks product from Altair Engineering Inc., so please also download and install HyperWorks in advance. LATONA works only with HyperWorks version that is listed below:

HyperWorks Version 2019.1

HyperWorks Version 2021.2 (recommended)

(When updating LATONA, please also confirm the HyperWorks/HyperMesh version and install the HyperMesh version to be used with LATONA beforehand)

Installing LATONA

To install LATONA, double-click on "**LATONA9.msi**" and another window will be displayed as shown below. Click "Next>" to start installation.



After clicking "Next>", another window will appear that is asking for the full path of installation target.

Specify the folder name on where the LATONA will be installed.

Then, click "Next>" to proceed.

dd LATONA9	_		×
Select Installation Folder			
The installer will install LATONA9 to the following folder.			
To install in this folder, click "Next". To install to a different folder, enter it b	elow or	click "Brov	wse".
		Browse	
		DIOMSE.	
		<u>D</u> isk Cost	
Install LATONA9 for yourself, or for anyone who uses this computer:			
Everyone			
⊖ Just <u>m</u> e			
< <u>B</u> ack <u>N</u> ext >		Can	cel

A new window will be displayed for confirmation purpose.

HATONA9		_	- [×
Confirm Installation				Ę	
The installer is ready to install LATONA9 o	n your computer.				
Click "Next" to start the installation.					
	< Back	Next>		Cancel	

Click "Next>" to start installation.

After installation started, progress bar will be displayed.

When installation is completed, another window will be shown as below.

Click "Close" to exit installation process.

🛃 LATONA9		_		×
Installation Complete				5
LATONA9 has been successfully installe	:d.			
Click "Close" to exit.				
	< Back	Close	Ca	ncel

To remove LATONA, there are two different ways to uninstall LATONA:

- 1. Use the same installer "LATONA9.msi" and select remove/delete.
- 2. Go to "Control Panel"→ "Add/remove program". Find "LATONA9" and click remove

Setting After Installation

Right after successfully installing LATONA, the setting for LATONA license server is necessary. Follow the instructions below to set the "Environment Variables".

Go to "Start Menu", right-click on "my computer" and select "Properties".

A new window will show up immediately, and click on "Advanced" that is indicated by red-dotted line (

Then, click "Environment Variables" that is indicated by green-dotted line

vstem Propertie	< .		
,			
Computer Name	Hardware Advanced System Protec	tion Remote	
You must be lo	noed on as an Administrator to make mos	t of these changes	
D-f			
Performance			
visual effects,	processor scheduling, memory usage, ar	nd virtual memory	
		Cattinger	
		Settings	
User Profiles			
Desktop settir	as related to your sign in		
Desktop setti	ga related to your signan		
		Settings	
		ootango	
Startup and R	ecovery		
System startur	, system failure, and debugging informati	ion	
-,,			
		Settings	
		-	
	Envin	onment Variables	
	_		
	OK Can	cel Apply	

After clicking "Environment Variables", another window will be displayed. On the column of "System variables" indicated by red-dotted line **[___!**, find whether variable "ITCAUTH_LICENSE_FILE" exists or not. If this variable has not been created, click "New" indicated by green-dotted line **(___)**

Environment Variables				>
User variables for itc				
Variable	Value			
		<u>N</u> ew	<u>E</u> dit	<u>D</u> elete
System variables				
Variable	Value			^
Ц. – Ц				
<u></u>				~
		Ne <u>w</u>	Edįt	Dejete
			ОК	Cancel

A new window "New System Variable" will show up.

Please specify "**ITCAUTH_LICENSE_FILE**" for variable name and "**8531@XXX**" for variable value.

Note: **XXX** is the computer name designated as LATONA license server.

For customers that have multiple license server, input all the computer name by adding semicolon(;) between one another.

New System Variable		×
Variable <u>n</u> ame:	ITCAUTH_LICENSE_FILE	
Variable <u>v</u> alue:	8531@Host1; 8531@Host2	
Browse Directory	Browse <u>F</u> ile OK Ca	ncel

Warning : Please make sure that variable ALTAIR_LICENSE_PATH" was

registered in "Environment Variable" and HyperWorks product is functioning properly. Mistakes on the setting for HyperWorks/HyperMesh will cause error in LATONA process as it failed to call/send commands to HyperWorks. For your information, the setting of variable value for "ALTAIR_LICENSE_PATH" should be set with value "6200@YYY", where YYY is the computer name of license server for HyperWorks.

Open LATONA application

After completing the settings of "Environment Variables", open LATONA GUI by choosing either one of the available methods below:

1) Go to "Start Menu"→ "Integral Technology"→ LATONA9



2) Double-click on "**LATONA.exe**" that can be found inside the folder where LATONA was installed.

LATONA GUI will show up within seconds and then go to the right top and clicking on

"**Help**" button indicated by red circle to confirm with the availability of LATONA license.

F	LATONA	A		- 🗆 👗
General List / Setting				= 1 🛈 🧃
Add Remove Start model Operation				
Path name	Status S	tyle mid-mesh gene shape recogniti	mesh repair mesh quality o	

How to confirm LATONA license through "Help" button?

If licenses are appropriately found, the detail information will be displayed in the area indicated by red-dotted line **that** includes "host name", "license validity", "total number of licenses". Please make confirmation whether LATONA licenses had been installed/read correctly.

In addition, the available HyperWorks licenses will be displayed in the area indicated by green-dotted line

Please also confirm the availability of HyperWorks licenses before using LATONA. If none is displayed, LATONA will not run because it cannot make access into HyperWorks. Please always make sure that HyperWorks licenses are available before executing LATONA.

About Version			×
		2.0.1.1209	
Lin		9.0	
Host name	Remaining:	License in use /	Total license
TC60	522 days	0 / 10	0
·			
<			>
6200@itc68;6200@l	TC66;6200@itc64;	6200@itc59	
Integral Technolog	ay Co., Ltd. Copyrig	nt(C) 2013-2023	ОК

Warning : Even when both LATONA & HyperWorks licenses are properly registered or HyperWorks itself is functioning correctly, but in some cases LATONA GUI may fail to open. When this happens, an error message will be outputted as shown below.



The main cause of this error is that LATONA failed to find the location of the installed HyperWorks. To solve this problem, use "**SetAltairHome.exe**" that can be found inside "SetAltairHome" folder to set the exact location of HyperWorks that will be used with LATONA. About how to use "SetAltairHome.exe", please follow STEP 1 ~ 6 from the instructions below.

Warning : To use "SetAltairHome.exe" please log in as Administrator or other users that has administrator authorization.

1. Start "SetAltairHome.exe"

Set ALTA	IR_HOM	1E							
v10.0	Set ALTAIR_HOME v10.0 v10.1 v11.0 v12.0 v13.0 v14.0 2017/2018 2019 2020 2021 2022 C*Program Files¥Altair¥2021 Image: Cite and the set of the s								
C:¥F	rogram	Files¥Al	tair¥202	1					
	32bit	64bit							
<u>© 2013</u>	- <u>2022 Inte</u>	egral Tec	hnology (<u>Co., Ltc</u>		Set	▼	C	ilose

- 2. Select which HyperWorks version to use from the dialog list on the top row
- 3. From the "Find folder" button in the right hand side, specify the location of HyperWorks folder.

Example : If LATONA is intended to be used with HyperWorks version 2021.2 that is installed in the server, the full path name for HyperWorks 2021.2 folder ($\underline{}$ server $\underline{}$ altair $\underline{}$ 2021.2) should be specified here.

Set ALTAIR_HOME						
v10.0 v10.1 v11.0 v12.0	v13.0 v	14.0 2017/20	18 2019	2020	2021	2022
C:¥Program Files¥Altair¥202	1 Co Itr.					
	<u>со., цс</u>		Jet			lose
Browse for Folder			×			
► This PC → Downloads Desktop → Dounloads Desktop → 3D Objects → Music → Music → Videos ← Pictures ← Local Disk (C:) → avast! sand → ITC	łbox		• • • • • • • • • • • • • • • • • • •			
	OK	Car	ncel			

4. If this setting is made for this machine only, click "Set"

Set ALTAIR_HOME

v10.0	v10.1	v11.0	v12.0	v13.0	v14.0	2017/2018	2019	2020	2021	2022
C:¥P	rogram i	Files¥Alf	tair¥2021	1						
	32bit	64bit								
<u>© 2013-</u>	2022 Inte	egral Tecl	hnology (<u>Co., Ltc</u>			Set	▼	C	lose

This setting will automatically set a new registry variable for the exact location of HyperWorks, which will be accessed by LATONA all the time.

5. If this setting will be needed for multiple machines, select "Create registry file".

Set ALTA	IR_HOM	IE									
v10.0	v10.1	v11.0	v12.0	v13.0	v14.0	2017/2018	2019	2020	2021	2022	
C:¥F	rogram	Files¥Alt	tair¥202	1							
	32bit	64bit									
<u>© 2013</u>	2022 Inte	egral Tecl	hnology (Co., Ltc			Set	▼	C	lose	
							Updat	e Inform	nation		
							Create	e registry	/ file		

Specify the location on where the registry file will be created.

Save As							×
$\leftarrow \rightarrow$ \checkmark \uparrow 🗎 \Rightarrow This PC \Rightarrow Document	:5		~	ۍ د	earch Documents		P
Organize 🔻 New folder						-	?
sample12_check ^ Name	^	Date modified	Туре	Size			
len OneDrive		No items match yo	our search.				
💻 This PC							
🧊 3D Objects							
📃 Desktop							
Documents							
🕂 Downloads							
👌 Music							
Pictures							
📔 Videos							
🏪 Local Disk (C:)							
i Network 🗸 🗸							
File name: ITC.reg							~
Save as type: Registory files							~
				_			
∧ Hide Folders					Save	Cancel	

Please confirm whether the register file was created correctly.

Copy this register file to other machines that need the same setting.

Double-click the register file to execute the setting for the location of HyperWorks.

6. After all the settings are done, click "Close" to exit

Set ALTA	IR_HOM	1E									
v10.0	v10.1	v11.0	v12.0	v13.0	v14.0	2017/2018	2019	2020	2021	2022	
C:¥F	rogram	Files¥Al	tair¥2021								
	32bit	64bit									
© 2013-2022 Integral Technology Co., Ltc						Set	▼	C	lose]	

For any consultation about installation, please contact us by email or phone.

Contact us :



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