

ADK and ISD Installation (for all Windows)

1. For 64bit Windows:

Download and execute

[https://ataitec.com/download/AtaiTec SI Suite 64bit.zip](https://ataitec.com/download/AtaiTec_SI_Suite_64bit.zip)

The user guides and examples are in the installed directories .../Doc and .../Examples.

For first-time install, the user will be prompted automatically to download “Matlab Compiler Runtime 8.0 (64-bit)” (and Microsoft Visual C++ 2010 x64 Redistributable, if needed). The user can also do a manual download by running

https://ataitec.com/download/MCR_R2012b_win64_installer.exe

Make sure that this file size is 381,289 KB. You will get MCR error later if the download file is incomplete.

For 32bit Windows:

Download and execute

[https://ataitec.com/download/AtaiTec SI Suite 32bit.zip](https://ataitec.com/download/AtaiTec_SI_Suite_32bit.zip)

The user guides and examples are in the installed directories .../Doc and .../Examples.

For first-time install, the user will be prompted automatically to download “Matlab Compiler Runtime 8.0 (32-bit)”. The user can also do a manual download by running

https://ataitec.com/download/MCR_R2012b_win32_installer.exe

Make sure that this file size is 351,078 KB. You will get MCR error later if the download file is incomplete.

Note: Copy C:\Program Files (x86)\AtaiTec\Examples to a different directory with read/write permission if you want to practice with the same examples.

See <https://ataitec.com/Updates> for a summary of recent updates.

2. If you received a dongle, download the dongle driver from

https://ataitec.com/download/Sentinel_LDK_Run-time_cmd_line.zip

and enter “haspdinst -install” in Command window.

3. If you did not purchase a dongle from AtaiTec, you'll need to provide the MAC address of your computer: (a) Click “All Programs->Accessories->Command Prompt”; (b) Enter “ipconfig /all” or “getmac”; (c) Copy down Physical Address and send it to AtaiTec.

Obtain XXX.lic (a license file in .lic extension) from AtaiTec.

For node-locked license:

- a) Copy the license file you received to C:\Program Files (x86)\AtaiTec\License directory.
- b) Double click ADK, ISD or X2D2 desktop icon to run.

For floating (i.e., networked) license:

- a) Complete Steps 1 to 2 for server computer. Complete Step 1 for client computer.
- b) Edit the license file (Figure 1) by changing “localhost” to the server’s actual hostname. (By default, the port number is set to 5053. Change this port number if necessary. Note that modifying anything other than the hostname and port number will make the license file become invalid. For more details, please see: http://www.reprisesoftware.com/RLM_Enduser.html)
- c) Save the edited license file in the server computer’s license directory (C:\Program Files (x86)\AtaiTec\License)
- d) Launch AtaiTec license server by clicking “All Programs->AtaiTec SI Suites->License Server” (or C:\Program Files (x86)\AtaiTec\License\rlm.exe) in the server computer and keep it running. (To run rlm.exe as a service in the background, see, for example: <https://agisoft.freshdesk.com/support/solutions/articles/31000157618-how-to-run-floating-license-server-as-a-system-service>)
- e) If the default port (5053) was used, put a simple license file (xxx.lic as in Figure 2) that contains “HOST actual_server_hostname” in the client computer’s license directory (C:\Program Files (x86)\AtaiTec\License). Otherwise, copy the server’s license file to the client computer’s license directory and keep only the first line of the license file (that contains “HOST ...”). In some cases, the server’s IP address instead of hostname must be used.
- f) Make sure the client computer can ping the server computer (– To check, enter “ping server_hostname” in a Command window.)
- g) Double click ADK, ISD or X2D2 desktop icon in the client computer to run.
- h) The user can check the license status by entering http://server_hostname:5054 in a web browser.
- i) If the client computers see communication error, it’s either because the license server (.../rlm.exe) is down or because the server ports are firewall protected. See (3)

if it's the former. If it's the latter, configure the RLM and ISV ports according to <https://helpdesk.gis-pax.com/support/solutions/articles/14000053855-configuring-rlm-ports> and remove the firewall protection for corresponding ports.

Note: (a) The server's and client's Command windows contain the license and program status. (b) Closing either server's or client's Command window will result in the termination of running ADK or ISD. (c) You don't need to click "All Programs->AtaiTec SI Suites->License Server" in the client computer.

Figure 1 shows an example of floating license for the server computer where "localhost" is to be renamed to actual server's hostname, "5053" is the default port number which can also be modified, "2019.06" is the maintenance expiration date (or the highest ADK version number for which this license will run), "29-jun-2021" is the license expiration date, and the number "2" before "issued" indicates the number of licenses available. (Note that only server's hostname and port number can be edited. Modifying any other entry will make the license file become invalid.)

Figure 2 shows the floating license file for the client computer where only "HOST actual_server_hostname" is needed.

```
HOST localhost 0013e86eceed 5053
ISV ataitec
LICENSE ataitec adk2 2019.06 29-jun-2021 2 issued=30-jun-2016
_ck=40d6d2f02a sig="c2S25g2K4gm29XCXm+EstFkqEFi+pQ8+BN8mqvbHg581x*0
M4kNg3Ay5YUBfJV8"
LICENSE ataitec isd2 2017.06 permanent 2 issued=30-jun-2016
_ck=6b36cac159 sig="c2W25g2x67Asneus~KVnno5Wrk~bQ9joQg8n0aJ0PgghedTs
JW6PU=xmHKZoPNwsq"
```

Figure 1. Floating license on server computer where "localhost" and/or port number "5053" are to be changed.

```
HOST actual_server_hostname
```

Figure 2. Floating license on client computer where "actual_server_hostname" is to be entered.

4. If you encounter MCR error, check the following:

- Was the Matlab Compiler Runtime downloaded completely and installed correctly?
- Enter "path" under Command Prompt. Add the following path to Matlab Compiler Runtime if it does not appear.

For 64bit Windows:

C:\Program Files\MATLAB\MATLAB Compiler Runtime\v80\runtime\win64

For 32bit Windows:

C:\Program Files (x86)\MATLAB\MATLAB Compiler Runtime\v80\runtime\win32

- Reboot the computer (if necessary).

If you encounter “xxx.mexw64 not found” error, you can:

- Install Microsoft Visual C++ 2010 x64 Redistributable from

<https://www.microsoft.com/en-us/download/details.aspx?id=14632>

(or https://ataitec.com/download/vcredist_x64.exe)

If you encounter “Undefined function or variable matlabrc” or some unknown error, you can:

- Delete the following directory (replace [username] by computer login name) and rerun: C:\Users\[username]\AppData\Local\Temp\[username]\mcrCache8.0

5. To install an updated ADK and ISD release (if you have previously installed ADK and ISD), just repeat Step 1.

ADK and ISD Server for Linux on Intel 64bit

The ADK and ISD executables do not run on Linux. However, if you have a floating license, you can start the license server from an Intel 64bit computer with Linux OS, check out the license from that server, and run ADK or ISD from Windows-based computers. To install the license server on an Intel 64bit computer with Linux OS (not Solaris or HPUX):

1. Download the ADK and ISD license server from

https://ataitec.com/download/AtaiTec_on_Linux.tar

Extract the downloaded .tar file by entering

```
tar -xvf AtaiTec_on_Linux.tar
```

There are several files in the directory:

```
ataitec.set  
rlm  
rlmutil  
testlic
```

2. Save the license file XXX.lic in the same directory. (Modify XXX.lic for the correct hostname and port number if necessary. Please see the previous pages and http://www.reprisesoftware.com/RLM_Enduser.html for more details.)
3. Start the license server (and keep it running) by entering

```
rlm &
```

You can test the license by entering

```
testlic
```

4. Follow the steps in “ADK and ISD Installation” to install ADK and ISD on Windows-based computers, copy the license file XXX.lic to the license directory (.../License), and click ADK or ISD icon to run.