AnalysIR Getting Started Tips

Step 1: Download the AnalysIR installation package for Windows from the AnalysIR website, using the link provided. This is the **only** approved channel for download.

Step 2: Run the installation exe (**setup_AnalysIR_xxxxxxxxxx.exe**) on your target Windows machine, to install AnalysIR. You will be presented with some standard installation choices.

Consult the Getting Started User Guide, which is available in your system '**APPDATA'** directory or via the help menu of the main application screen. (Typically like: 'C:\Users*YOURUSERNAME*\AppData\Roaming\AnalysIR\')

The guide is also available inside your installation package and via the Help Menu.

Step 3: On the registration screen, fill in your email address, read and agree to the T&Cs. You will then be allowed to run AnalysIR in demo mode only.

In demo mode, you can try out most of the functions of AnalysIR, except connecting to an Arduino or Raspberry Pi or other 'Source' device. You will be able to load some sample signals via the File Menu (Load Saved Session or CTRL+L). This will allow you to get familiar with the GUI, while awaiting your KEY.

To gain full access, you will require a unique Key, from us.

Step 4: To obtain full access rights, you must copy the signature field and send it (**in plain text**) along with your email address to support@AnalysIR.com, requesting your registration key. For example: (change to values from your system)

> **Signature:** xcknsdjfpdjfsdjflskdjfsdkjf
> **Registratiion Email:** backerA@xxxx.yyy

There is an 'email' icon to the right of the Signature field, which copies all of the relevant information required into your clipboard, which you can paste into an email. **Do not send us a screenshot.**

(Note: in future we hope to make this more automated, but for now this is a manual step)

Step 5: We will respond with your Registration key, within 24 hours (or sooner, depending on time-zones. If you don't hear back within 24 Hours – **check your spam folder** or send a reminder)

Step6: When you receive your key, exit and start the application again and paste the key into the text box and make sure you use the same email address and accept the EULA T&Cs.
Click the 'Install Licence Key Now' button to enter the fully functioning application.

If successful, this step will be bypassed in future, during start-up.

Refer to the info-graphic provided for your device, to help you navigate the installation process.

Connecting your Arduino, LearnIR, A.IR Shield, Photon, Raspberry Pi (RPi) or USB IR Toy etc.

Step 7: You will find zip files in your **APPDATA** directory after install. Follow the instructions in the relevant README, Tips & Info-graphic, to set up your Source Device. All supported devices have an associated Infographic and/or dedicated chapter in the Getting Started (Help) guide.

For **LearnIR** simply plug it into your PC using a USB to serial adapter and select the correct COM port in the Windows application. In our tests, LearnIR delivered the best results for receiving and transmitting any IR signal, when compared to other supported devices. (For LearnIR only, you may skip to step 10)

The **A.IR Shield Nano** comes with the required firmware pre-loaded on the Nano and is essentially, plug & play as above. It is supplied with its own detailed instructions, when purchased.

The **A.IR Shield Photon** is supplied with its own detailed instructions, when purchased. If not using our shield, then follow instructions for Photon below.

For **USB IR Toy:** make sure you have the device updated to the latest firmware, before proceeding. Details are available on the vendor's website.

Similarly, the **iTAch Flex** is plug and play and does not require additional Firmware.

For any other device, the process is similar to Arduino and you should refer the Infographic document provided for that platform and the User guide for instructions.

For unsupported devices, please contact us directly for special instructions.

Do not proceed beyond this step until your device is loaded with the software.
By its nature, RPi and other network connected devices will be a more complicated to set up than the Arduino.

Step 8: Follow the guidelines in the Getting Started Guide to wire up your device (e.g. Arduino) or RPi and make the necessary connections to your PC. For Arduino (or similar) the USB (serial) cable should be plugged into a USB port on the PC. For RPi both the PC & RPi should be connected to the same LAN (only tested with Ethernet cables but has been confirmed working via Wi-Fi, when configured correctly).

For LearnIR, A.IR Shield, iTAch Flex & USB IR Toy: Just plug the device into a free USB port on your Windows PC. An FTDI type serial to USB adapter is required with LearnIR.

iTach Flex & **Photon** can be connected over WiFi. Follow the instructions provided for configuring IP Address and Port and ensure the devices are within good range of your WiFi Router. Photon can also be connected via the USB serial connection and has its own special copy of the firmware.

Step 9: If your device is **connected via USB/Serial (i.e. not for RPi)** then it is likely that AnalysIR will be looking at the default COM Port for data and the com port status box will be red. On the bottom right of the main AnalysIR window, check the dropdown box to see if there is another COM port available for use. If so, select that COM port. If there are multiple COM ports displayed, you will have to investigate which one relates to your device (e.g. Arduino). The COM port status box should change colour to Green. If not then there is a problem with the setup of your COM port. Try to reset things by disconnecting your COM Port and reconnecting it after a few seconds. AnalysIR checks the status of the COM port every few seconds and changes the colour to red if it detects a problem or green if it is available to AnalysIR. Serial/USB connection is supported for most standard/compatible Arduinos with USB connection including Yun.

The colour coding is dark green is a serial connection is active and light green if a network connection is active.

If your device is **connected via LAN (Ethernet or Wi-Fi)** and you have followed the setup instructions for AnalysIR, your device is on and connected to the LAN - then select your device from the 'Source' file menu (e.g. Raspberry Pi). Currently, the Raspberry Pi, iTach Flex & Photon is supported for LAN connection to AnalysIR.

Step 10: Assuming everything is configured correctly, you will see signals appearing on the channel trace, every time you press a key on your IR remote (or equivalent). However, make sure you are pointing the remote towards the IR receiver.

Step 11: Now that AnalysIR is installed and working, please refer to the User Guide to test out all of the features available.

What to do if you experience a problem or have a suggestion:

You can contact us as follows:

A: Check for any new updates that may address these issues on www.AnalysIR.com or via the announcements thread on the IRforum (see below).

B: Email support@AnalysIR.com explaining your problem in as much detail as possible. Please provide as much detail as possible about your configuration.

C: Register on the IRforum at

https://IRforum.AnalysIR.com/

Note: we recommend that you register securely using one of your social media accounts (click on the relevant icon at the top) rather than direct registration (via 'Register' link). However, if you prefer to register directly, DO NOT use any of your existing passwords but create a new one especially for this purpose only.

Once you are registered, after email verification, open a topic in the IRforum.

Known Issues:

There are a number of minor issues we are aware of and will continue to address. However, some issues are worth highlighting here:

1. Arduino Leonardo can be a problem when trying to register a COM port on Windows. Similar problems have been reported on other Arduino models, particularly those with virtual serial or CDC implementations. We believe these problems are related to interactions between Arduino drivers & the various Windows operating systems or unplugging the serial USB cable without first closing the application.
   Workaround: Disconnect from USB port and reconnect after a few seconds or press the reset button on the Leonardo/Arduino. Please refer to the instructions in user Guide under 'Serial Port Reset'. Refer to the Getting Started Guide for instructions on resetting the Serial port & related issues.
2. AnalysIR icon not displaying correctly on some systems.
   Workaround: None, we will create a new Icon set and include it in a future release. If you experience this issue, please send us a screenshot and note the version of Windows & PC model.