

HERMES LITE 2 QUICK INSTALL

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1. PURPOSE

The purpose of this document is to provide a short guideline to install and configure an Hermes Lite 2 (HL2) SDR under windows with SDR-Console. It is basically considered that people are aware of the information's provided by the Hermes Lite 2 wiki pages: <https://github.com/softerhardware/Hermes-Lite2/wiki>

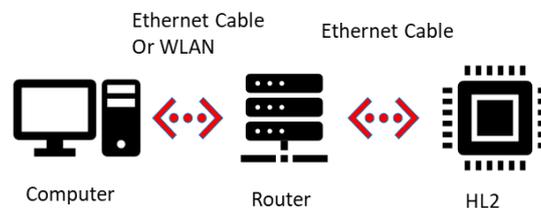
2. HARDWARE WIRING

Two hardware network wiring configurations will be considered within this document:

- Standard Setup
- Standalone Setup

2.1 Standard Setup

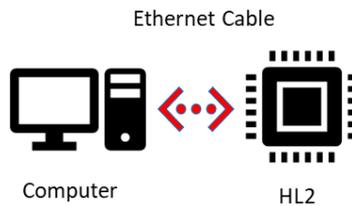
The standard setup consists in wiring the HL2 in the local network



As the default gateway behavior is to look for a DHCP server, an IP address like 192.168.1.x will automatically be assigned to the HL2

2.2 Standalone Setup

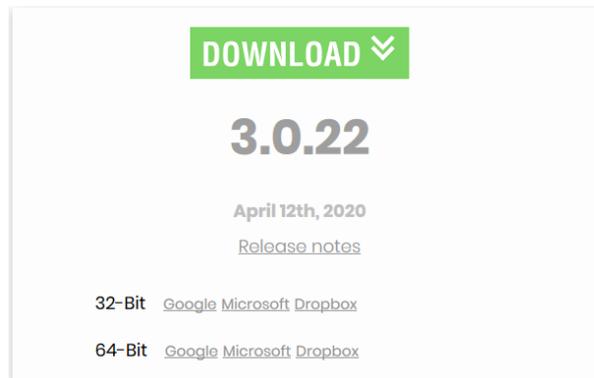
The standalone setup consists in wiring the HL2 directly to the computer



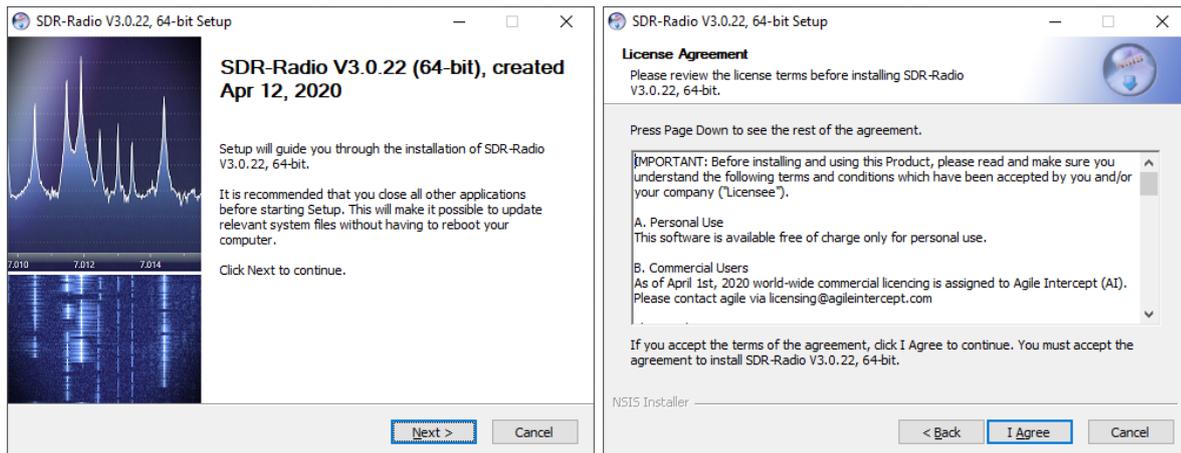
As the default gateway behavior is to look for a DHCP server, and that when no response is received, a local IP address like 169.254.x.x is assigned

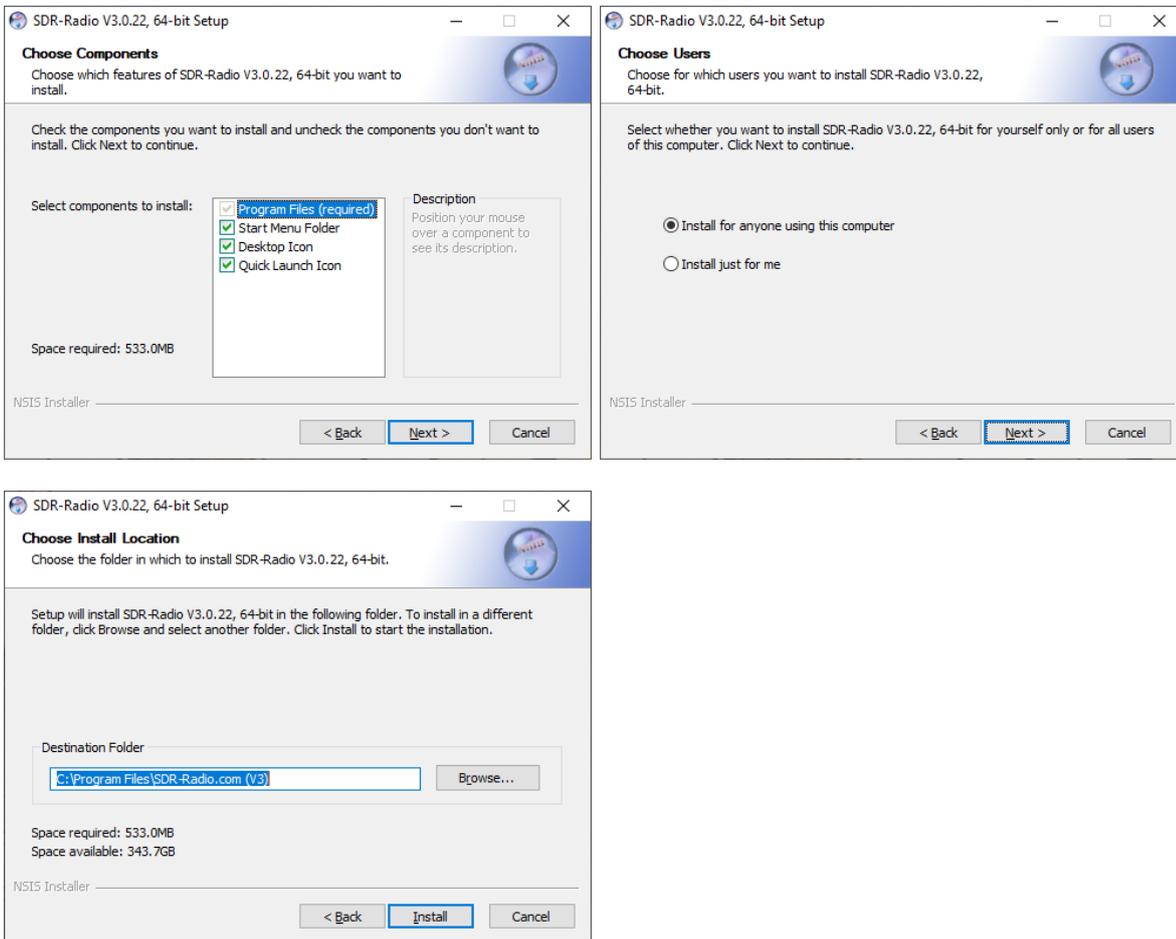
3. SOFTWARE INSTALLATION

Latest installation (32 or 64 bits version based on your computer) shall be taken from : <https://www.sdr-radio.com/download>

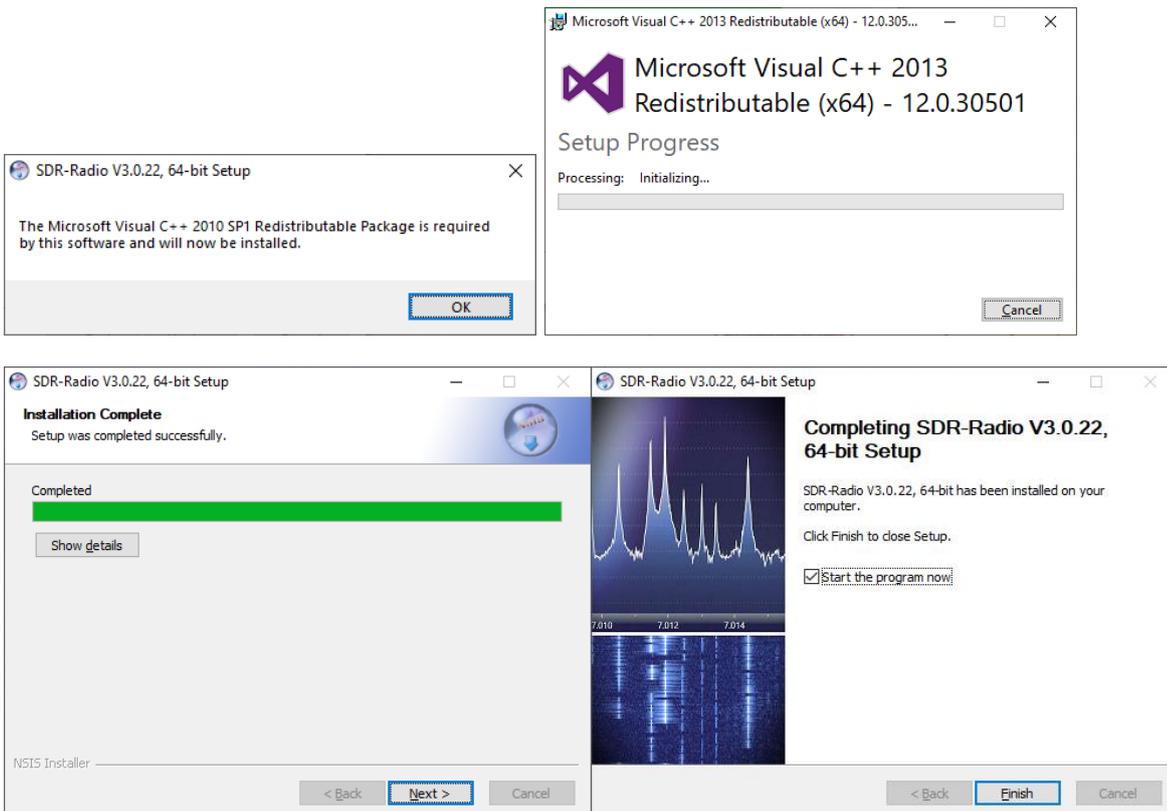


The installation is then started as administrator and follow the typical Next / I agree process:





During the installation process, additional C++ libraries that are required for the SDR Console software will be downloaded and installed



The installation is terminated and SDR Console can be started

4. SOFTWARE CONFIGURATION

4.1 IP address identification

Preliminary to use the SDR Console software, the IP address of the HL2 shall be known.

- In the standard configuration

Within the command line, the IP Table can be displayed by the command: `arp -a`

With a minimal knowledge of the existing network, HL2 can be easily identified.

```
192.168.1.40      00-1c-c0-a2-13-dd      dynamique
```

- In the standalone configuration

Within the command line, the IP Table can be displayed by the command: `arp -a -v`

The HL2 IP address will can be easily identified as it starts with 169.254.x.x

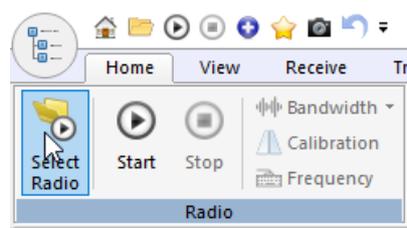
```
Interface : 169.254.40.85 --- 0xc
Adresse Internet      Adresse physique      Type
169.254.255.255      ff-ff-ff-ff-ff-ff      statique
224.0.0.22           01-00-5e-00-00-16      statique
224.0.0.251          01-00-5e-00-00-fb      statique
224.0.0.252          01-00-5e-00-00-fc      statique
239.255.255.250      01-00-5e-7f-ff-fa      statique
255.255.255.255      ff-ff-ff-ff-ff-ff      statique
```

4.2 HL2 definition in SDR-Console

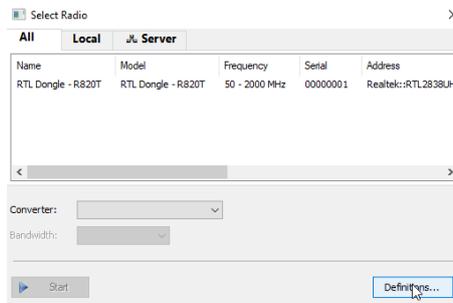
The HL2 SDR device shall be configured in SDR-Console software preliminary to its use.

The device can be simply automatically detected on the network:

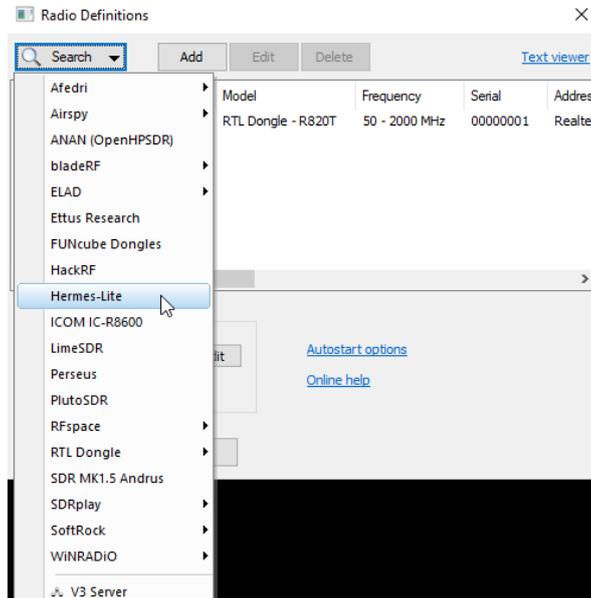
Click on *Home / Select Radio*



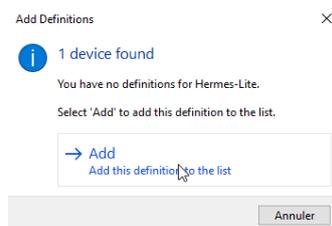
In the following popup click on *Definitions*



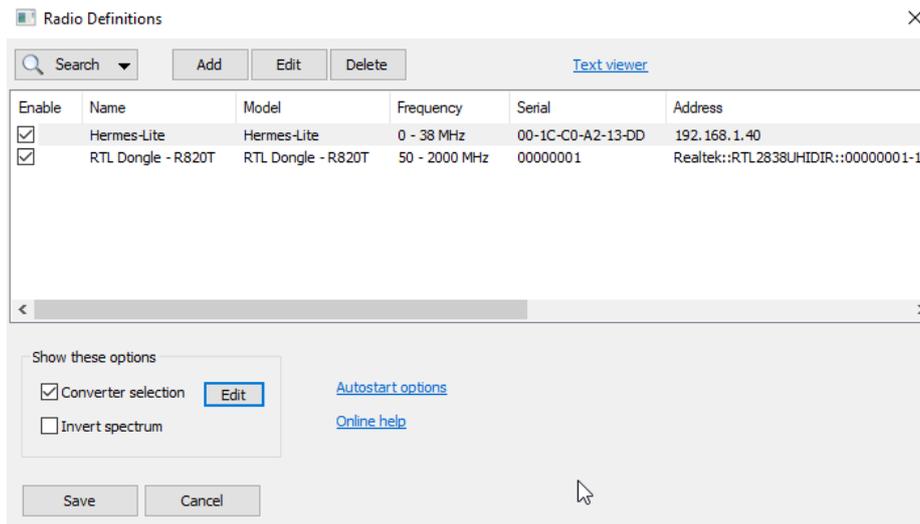
Within the radio definitions popup, drop down the search menu and select Hermes Lite



The device is found and can be added to the list:

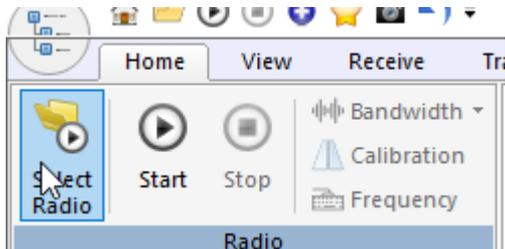


IP address of the device is the one preliminary identified:

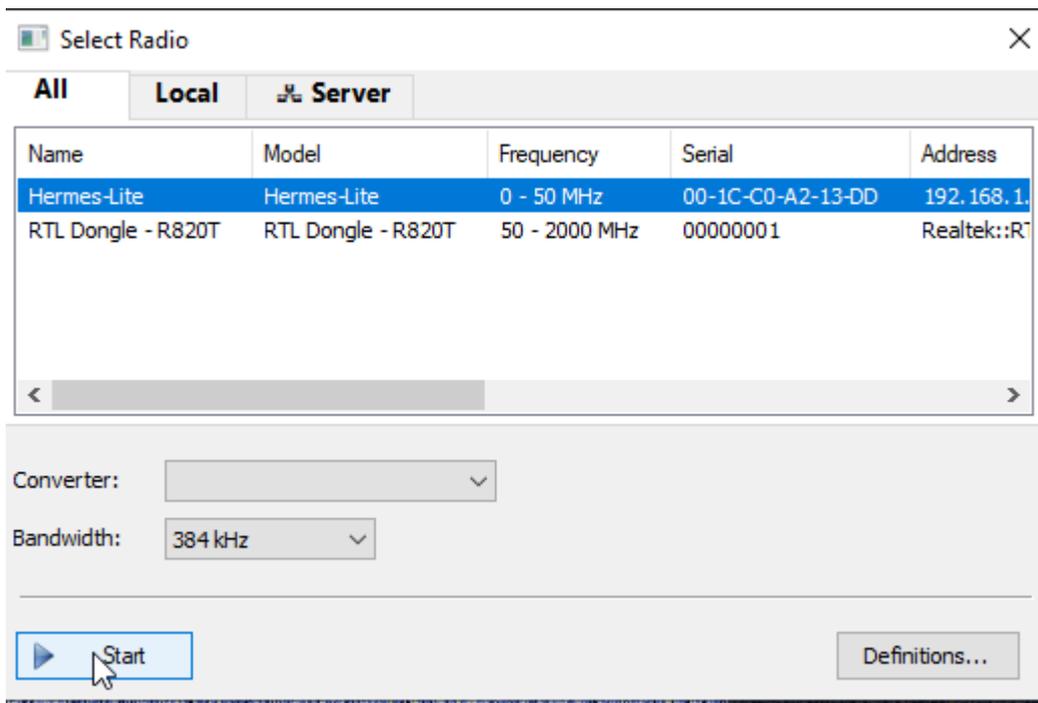


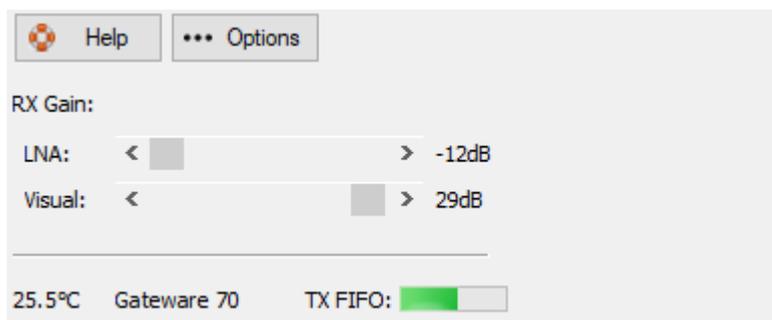
5. SOFTWARE TEST

Select the HL2 radio:

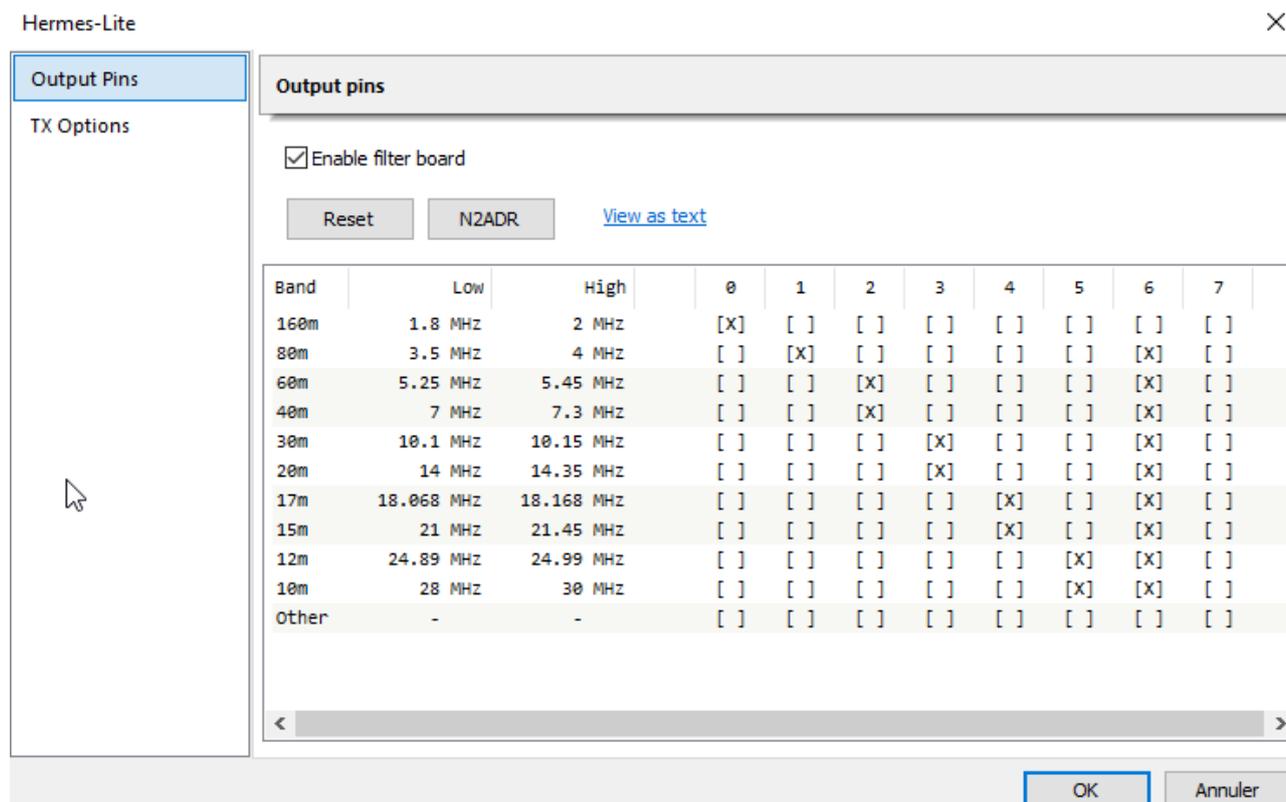


And start the reception





In the HL2 Panel select options and enable the N2ADR band filters if you have them



Enjoy listening...