

HoyaiLink-in-a-box – Setup

Summary

- Requirements 2
- Part I – HoyaiLink-in-a-box - Setup 3
 - Step 1 – Connect the tracer with the HoyaiLink-in-a-box..... 3
 - Step 2 – Tracer Setup 3
 - Step 3 – Finding the IP..... 4
 - Step 4 – Configuration on the iPad:..... 6
 - Step 5 – Possible solutions in case the connection does not work: 7

Introduction

HoyaiLink-in-a-box is been created to offer a possibility to trace a frame from **any mobile device** or in a terminal server environment. In case you want to summit an order completely mobil you can order the lens with the HoyaiLog app and even **trace from the iPad**.

Requirements

- Tracer (like the GT-5000)
- Serial cable
- HoyaiLink-in-a-box
- Power cable
- LAN cable
- VGA cable
- Keyboard, mouse and a monitor
- Terminal Server environment (like an iPad)



Part I – HoyaiLink-in-a-box - Setup

Step 1 – Connect the tracer with the HoyaiLink-in-a-box

In order to setup **HoyaiLink-in-a-box** please proceed as follows:

- Connect the **HoyaiLink-in-a-box** with the **power cable** and **turn on the power switch** on the back side of the box
- Connect the **LAN cable** with the **HoyaiLink-in-a-box**
- Connect the **Tracer** with the **HoyaiLink-in-a-box** by using the **serial cable**
- Connect the **monitor** with the **HoyaiLink-in-a-box** with the **VGA cable**
- Connect the **keyboard and the mouse** using the USB ports on the box

Step 2 – Tracer Setup

HoyaiLink-in-a-box supports **all Tracers** which are implemented in **HoyaiLog**.

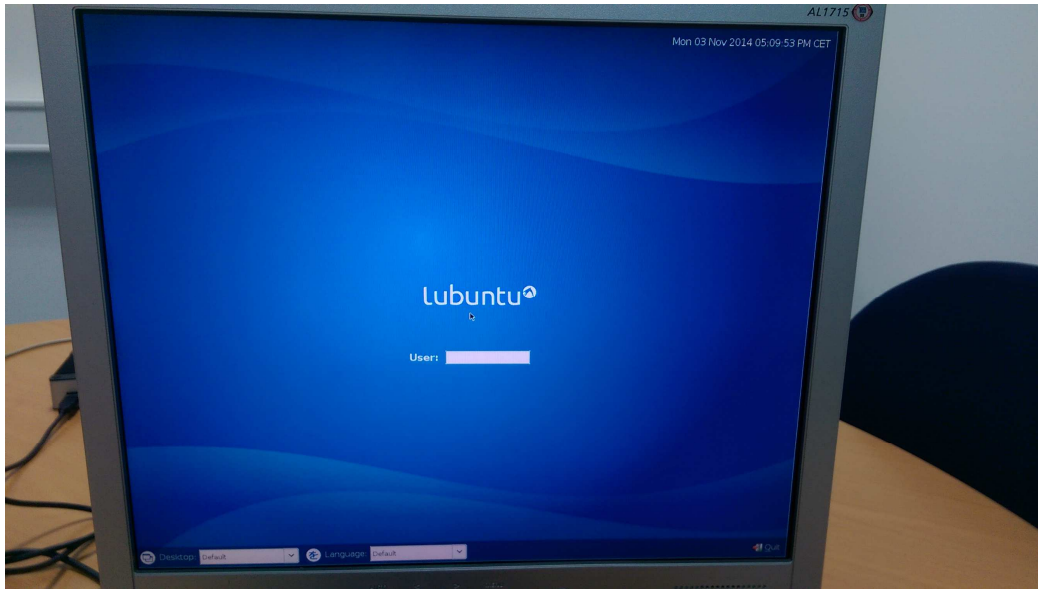
Recommendation: **GT-5000** which needs to have following configurations:

- Serial
- Hoya3 format

Step 3 – Finding the IP

After you have done part I please double-check that the box is on.

On the monitor you will see the following screen:



Please enter following details:

User: **hoya**

Password: **root**

Now go to the LX Terminal: press the bottom left button (in windows it would be the windows button) go to **Accessories** and then to **LX Terminal**. Now type following command in order to find an IP

```
#ifconfig
```

Now you see following:

```
# ifconfig
eth0      Link encap:Ethernet  HWaddr 00:1b:eb:63:8c:19
          inet addr:10.8.51.26  Bcast:10.8.51.255
Mask:255.255.254.0
          inet6 addr: fe80::21b:ebff:fe63:8c19/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:43697 errors:0 dropped:0 overruns:0 frame:0
          TX packets:13556 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:20026127 (20.0 MB)  TX bytes:1253157 (1.2 MB)
          Interrupt:10

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:6 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:328 (328.0 B)  TX bytes:328 (328.0 B)
```

If you have DHCP, the box will have an IP automatically assigned to **eth0** (as highlighted above).

In case you do not have DHCP, you need to set the IP manually

Step 4 – Configuration on the iPad:

Open HoyaiLog on your iPad or on the Terminal Server environment.

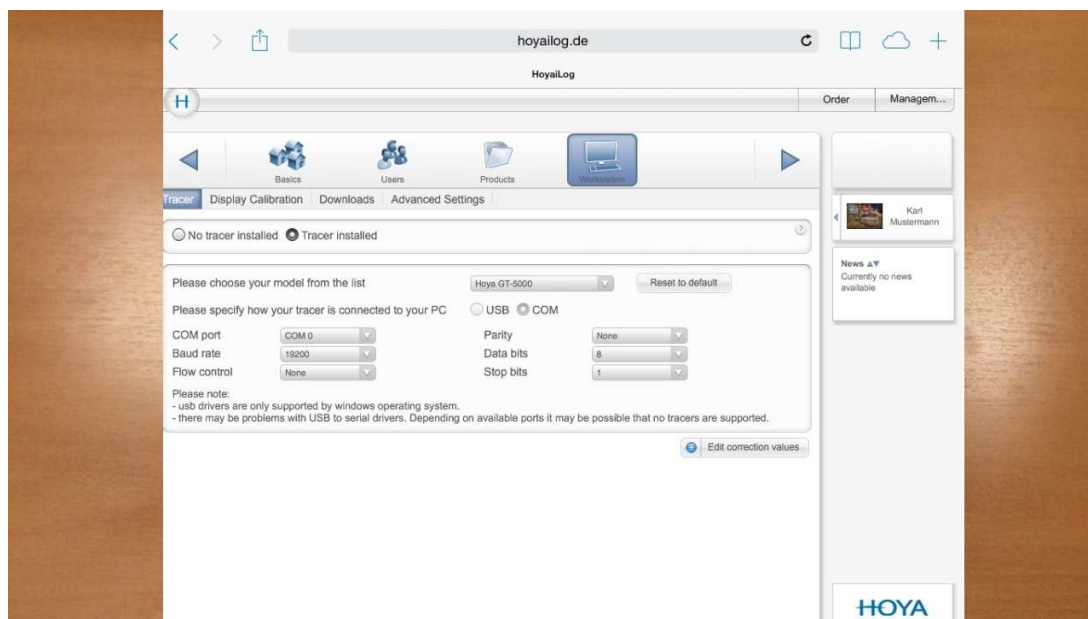
Press the **H** on the top left corner and go to **Settings -> Workstation -> Advanced Settings**

Please **tick the check-box** in order to use the Network-Tracer and **enter the IP** address in the highlighted field which you saw behind **eth0** (see page 5).



Further these settings have to be configured under **Workstation -> Tracer** as show in the picture

Note: Please select **COM0** for the COM port (as seen in the picture).



- It will automatically apply your choice to the HoyaiLink referred by the IP address.
- Save your configurations

After everything is done you can **remove** the **monitor** including the **keyboard** and the **mouse** from the HoyaiLink-in-a-box.

It is only needed in order to see the IP address which had to be entered in Hoyailog.

Start to trace , enjoy !



Step 5 – Possible solutions in case the connection does not work:

You might not see an IP which is assigned to **eth0**.

Therefore please **remove** the following file by using the **LX Terminal**.

Please use following commands in order to delete the file:

```
# cd /etc/udev/rules.d/70-persistent-net.rules  
# sudo rm /etc/udev/rules.d/70-persistent-net.rules
```

Then reboot the “HoyaiLink-in-a-box” and you will have **eth0** active again.

Now repeat the steps 1 till 4.