

## Configure LANTRONIX MatchPort b/g/ into Wlan networks.

RAVAS supplies for each weighing system with a WLAN device a TP-LINK router to make the configuration easier for you.

The intention is to discard the router when the WLAN device is configured successfully.

### Step 1.

Use a stand-alone computer or notebook to connect the TP-LINK router.

The TP-LINK router is configured by RAVAS to make automatically contact with the Lantronix device.

Standard settings of the Lantronix WLAN module when it leaves our factory are:

Default network	DHCP
SSID	RAVAS (all capital characters)
Port number	10001
Security setting	none

### Step 2.

Make sure the RAVAS scale with the WLAN is switched on, and close to the router.

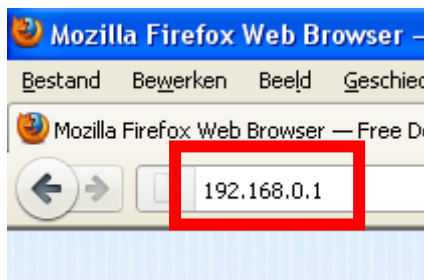
Connect the TP-LINK router to your stand-alone pc. It is best to use a network cable.

Attention: **Use one of the yellow 'Ethernet' ports. Do not use the blue port 'WAN'.**

### Step 3.

Open your internet browser. It is recommended to use Mozilla Firefox for the configuration.

Enter the IP address of the TP-LINK router, which is **192.168.0.1**, in the address bar of the browser.



A login window is shown.

Please log in by entering **admin** in both 'User Name', and 'Password'. Then click on 'OK'.



You are logged in on the TP-LINK router:

The screenshot shows the TP-LINK 150M Wireless Lite N Router web interface. The left sidebar contains a menu with options: Status, Quick Setup, QSS, Network, Wireless, DHCP, Forwarding, Security, Parental Control, Access Control, Advanced Routing, Bandwidth Control, IP & MAC Binding, Dynamic DNS, and System Tools. The main content area is titled 'Status' and displays the following information:

**Status**

Firmware Version: 3.12.11 Build 120320 Rel.51047n  
Hardware Version: WR740N v4 00000000

**LAN**

MAC Address: A0-F3-C1-3A-99-46  
IP Address: 192.168.0.1  
Subnet Mask: 255.255.255.0

**Wireless**

Wireless Radio: Enable  
Name (SSID): RAVAS  
Channel: Auto (Current channel 6)  
Mode: 11bgn mixed  
Channel Width: Automatic  
MAC Address: A0-F3-C1-3A-99-46  
WDS Status: Disable

**Status Help**

The **Status** page displays the Router's current status and configuration. All information is read-only.

**LAN** - The following parameters apply to the LAN port of the Router. You can configure them in the **Network** -> **LAN** page.

- **MAC Address** - The physical address of the Router, as seen from the LAN.
- **IP Address** - The LAN IP address of the Router.
- **Subnet Mask** - The subnet mask associated with LAN IP address.

**Wireless** - These are the current settings or information for Wireless. You can configure them in the **Wireless** -> **Wireless Settings** page.

- **Wireless Radio** - Indicates whether the wireless radio feature of the Router is enabled or disabled.
- **Name (SSID)** - The SSID of the Router.
- **Channel** - The current wireless channel in use.
- **Mode** - The current wireless mode which the Router works on.
- **Channel Width** - The bandwidth of the wireless channel.
- **MAC Address** - The physical address of the Router, as seen from the WLAN.
- **WDS Status** - The status of WDS' connection. Init: WDS connection is down; Scan: Try to find the AP; Auth: Try to authenticate; ASSOC: Try to associate; Run: Associated successfully.

**WAN** - The following parameters apply to the WAN ports of the Router. You can configure them in the **Network** -> **WAN** page.

- **MAC Address** - The physical address of the WAN port, as seen from the Internet.
- **IP Address** - The current WAN (Internet) IP Address. This field

Go to 'DHCP > DHCP Clients List':

The screenshot shows the TP-LINK 150M Wireless Lite N Router web interface, specifically the 'DHCP Clients List' page. The left sidebar menu is the same as in the previous screenshot. The main content area is titled 'DHCP Clients List' and displays a table of DHCP clients:

ID	Client Name	MAC Address	Assigned IP	Lease Time
1	NB.SYST2010	1C-C1-DE-FD-DB-01	192.168.0.2	01:52:39
2	CAA94BD	00-20-4A-AA-94-BD	192.168.0.3	01:53:07

Below the table is a 'Refresh' button.

**DHCP Clients List Help**

This page shows **Client Name**, **MAC Address**, **Assigned IP** and **Lease Time** of each DHCP Client connected to the Router.

- **Client Name** - The name of the DHCP client.
- **MAC Address** - The MAC address of the DHCP client.
- **Assigned IP** - The IP address that the Router has allocated to the DHCP client.
- **Lease Time** - The time of the DHCP client leased.

You cannot change any of the values on this page. To update this page and to show the current connected devices, click on the **Refresh** button.

A list shows the available wireless systems (see picture above).

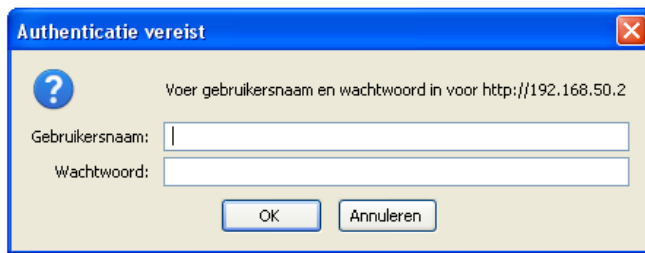
An IP-address has been allotted to the Lantronix device. You can recognize the Lantronix WLAN by the MAC Address, which is also shown on the housing of the RAVAS scale indicator. (Also on a white label on the Lantronix device itself)

Step 4.

Enter the IP address of the Lantronix in the browser address bar:



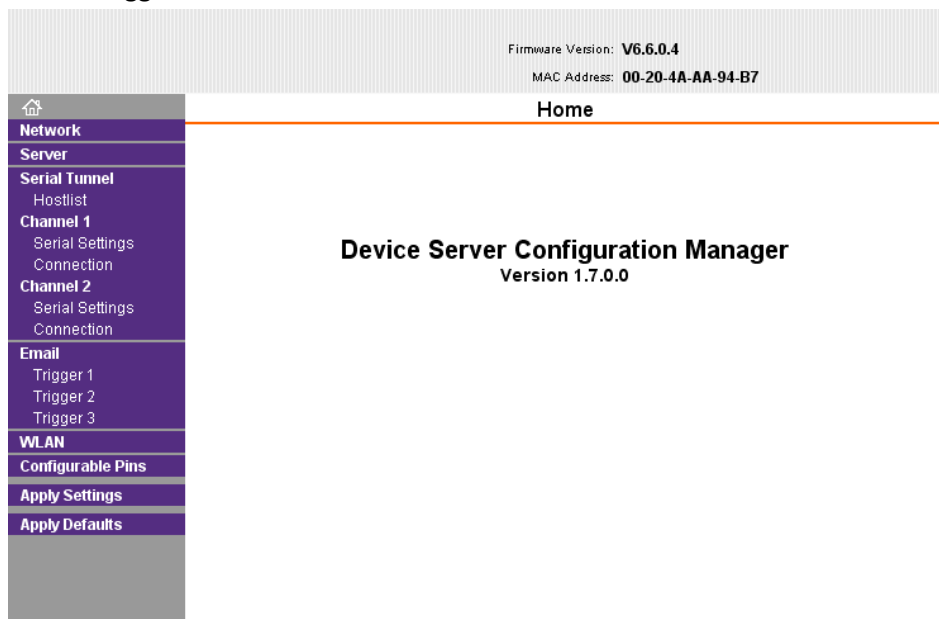
A login window pops up.



The image shows a web browser window titled "Authenticatie vereist" (Authentication required). It contains a question mark icon and the text "Voer gebruikersnaam en wachtwoord in voor http://192.168.50.2". Below this are two input fields: "Gebruikersnaam:" (Username) and "Wachtwoord:" (Password). At the bottom are two buttons: "OK" and "Annuleren" (Cancel).

Leave both fields blank, just click on 'OK'.

You are logged in on the Lantronix WLAN device:



The image shows the Lantronix Device Server Configuration Manager web interface. At the top, it displays "Firmware Version: V6.6.0.4" and "MAC Address: 00-20-4A-AA-94-B7". Below this is a "Home" link. On the left is a navigation menu with the following items: "Network", "Server", "Serial Tunnel" (with sub-items "Hostlist", "Channel 1" (with sub-items "Serial Settings", "Connection"), "Channel 2" (with sub-items "Serial Settings", "Connection"), "Email" (with sub-items "Trigger 1", "Trigger 2", "Trigger 3"), "WLAN", "Configurable Pins", "Apply Settings", and "Apply Defaults". The main content area displays "Device Server Configuration Manager Version 1.7.0.0".

You now are able to configure the Lantronix to the settings required for your company.

RAVAS advises these actions to be made by your network administrator.

#### Notes:

\* To save the configuration click 'OK' first, and then 'Apply Settings' on the left side of the screen. The Lantronix module must reboot to apply the settings.

\*We recommend not to change any further settings that are not mentioned in this manual.

\* Channel nr is 6 as per default. When there is a bad WLAN connection please make sure that multiple routers are not interfering with each other because they are using the same channel number.

It is preferable to use channel numbers 1 – 6 – 11 they don't overlap with other channels.

\* Once the Lantronix WLAN module is configured to your settings, you can discard the TP-Link router. The router was only provided for the configuration of the Lantronix module.