

INTRODUCTION

This configuration guide explains how to use the **ReadyNet QX300** analog telephone adapter (ATA) router with **Your PBX Platform**. It covers the most common tasks required to have the QX300 working efficiently: physical installation, manual configuration, and auto provisioning.

FIRMWARE 3.20**ATA + ROUTER****FXS PORT**

REQUIREMENTS

Identifying the Device Model

Check the label on the **back of the device** for the exact model. Different ReadyNet models can have significantly different requirements and installation procedures — confirm you are working with a **QX300** before proceeding.



Device Firmware

- Ensure the device is loaded with firmware version **3.20**.

DHCP Server

A fully configured and operational DHCP server is required on the network.

INSTALLATION

This section describes how to connect the device to power and the data network, and how to restore factory settings.

Power Adapter

- Connect the DC plug on the power adapter to the DC port on the device, then plug the adapter into an electrical outlet.
- Connect an Ethernet cable between the **Internet** port on the device and a network port on your router or switch.

Find the Device's IP Address

- Lift the handset of the phone connected to the QX300 and dial ****.
- Choose "**1**", then choose "**2**".
- The IP address will be **recited aloud** — make sure to write it down.

Reset to Factory Settings

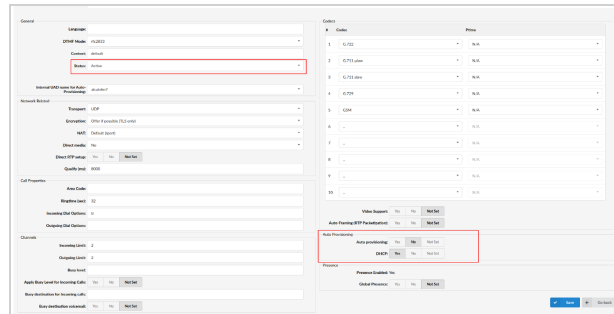
Not required for brand-new devices — **mandatory** for any previously used device.

- Press the **reset** button on the **front** of the device and hold for **10 seconds** — this wipes out any changes made to the router.
- The device resets to factory default settings.
- Allow time for the device to reboot.

NOTE: Do not unplug or remove power from the device while it is updating firmware or configuration.

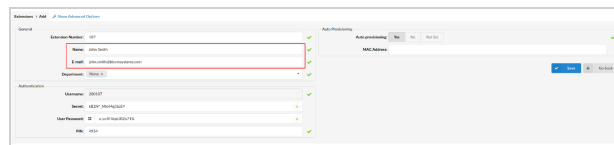
MANUAL CONFIGURATION

UAD Settings



- Browse to the PBX IP address (example: **http://192.168.1.10**) and log in with your e-mail address and password.
- Navigate to **Settings > UAD** and confirm the ReadyNet QX300 UAD is enabled — click the **edit** icon for the ReadyNet QX300 to check.
- Set **Status = Active**, **Auto provisioning = No**, **DHCP = Yes**, then click **Save**.

Creating an Extension



- Navigate to **Extensions** and click **Add Extension**.
- Select the ReadyNet device model from the **UAD** select box.
- Select Location: **Local** (extensions registered on the LAN) or **Remote** (extensions registered from remote networks, WAN, Internet, etc.), then click **Next step**.

REQUIRED FIELDS

Name

Name for the new extension. Example: **John Smith**

E-mail

Address that receives all system notifications for this extension. Example: **john.smith@yourdomain.com**

Click **Save** when finished — or click **Save & E-mail** to send the account details to the e-mail address associated with the extension.

OPTIONAL FIELDS

Extension

Auto-generated from the next available sequential number; can be changed. Example: **1003**

REGISTERING THE DEVICE — HOSTNAME OR IP ADDRESS

- Browse to the device IP address (example: **http://192.168.1.22**) and log in. Factory defaults — username: **admin**, password: **pz938qx3**.
- Click the **FXS1** tab in the top navigation menu and enter the following details.

REQUIRED FIELDS

Proxy Server

In the **Proxy and Registration** section — hostname or IP address of the PBX. Example: **pbx.yourdomain.com** or **192.168.1.10**

Display name

In the **Subscriber Information** section — PBX extension name. Example: **John Smith**

Account

In the **Subscriber Information** section — PBX extension number. Example: **1003**

Phone Number

In the **Subscriber Information** section — PBX extension number. Example: **1003**

Password

The Secret of the extension, as received in the e-mail associated with the extension. Example: **_%Z4M3*Ts9y7**.

A password is generated automatically for each newly created extension.

Click the **Save & Apply** button.

VERIFY: If everything is configured as described, the device is now registered. Dial ***123** to verify registration.

AUTO PROVISIONING

UAD Settings

The screenshot shows the 'UAD Settings' page. On the left, the 'General' tab is active, showing 'Status' set to 'Active' and 'Auto provisioning' checked. On the right, the 'Auto Provisioning' section shows 'Auto provisioning' checked, 'DHCP' checked, and 'MAC Address' set to '0002FDFF1536'. The 'Save' button is visible at the bottom right.

- Log in to the PBX web administration interface and navigate to **Settings > UAD**.
- Confirm the ReadyNet QX300 UAD is enabled, then set **Status = Active**, **Auto provisioning = Yes**, **DHCP = Yes**, and click **Save**.

Creating an Extension

The screenshot shows the 'Add Extension' page. The 'General' tab is active, showing 'Name' as 'John Smith', 'E-mail' as 'john.smith@yourdomain.com', and 'Department' as 'Sales'. The 'Auto provisioning' checkbox is checked, and the 'MAC Address' field is populated with '0002FDFF1536'. The 'Save' button is visible at the bottom right.

- Navigate to **Extensions > Add Extension**, select the ReadyNet QX300 model from the **UAD** box, choose **Local** or **Remote**, and click **Next step**.

REQUIRED FIELDS

Name

Example: **John Smith**

E-mail

Receives all system notifications. Example: **john.smith@yourdomain.com**

Auto Provisioning

Set to **Yes**.

MAC Address

ReadyNet QX300 MAC address, found on the back of the device. Example: **0002FDFF1536**

Click **Save** when finished.

REGISTERING THE DEVICE — DHCP

- Ensure the DHCP server is configured to use **option 66** to automatically instruct devices with the auto provisioning URL. Refer to your router documentation or network administrator.
- Auto provisioning starts during the device's first boot or a user-initiated reboot — the DHCP server directs the device to the correct configuration file. Dial ***123** to verify registration.

REGISTERING THE DEVICE — TFTP

If there is no DHCP on the network, the QX300 can still be auto provisioned. Refer to the ReadyNet QX300 user guide for instructions on setting a static IP address, then continue with the steps below.

- Browse to the device IP address (e.g. **http://192.168.1.22**) and log in. Factory defaults — username: **admin**, password: **pz938qx3**.
- Click the **Administration** tab in the top navigation menu.
- Click the **Provision** tab.
- In the **Profile Rule** field, enter **tftp://** followed by the hostname or IP address, followed by **/\$MA.conf**:

TFTP — Profile Rule field

Hostname example: **tftp://pbx.yourdomain.com/\$MA.conf**

IP address example: **tftp://192.168.1.10/\$MA.conf**

IMPORTANT: Make sure **Option 66** is **DISABLED**.

- Click the **Save & Apply** button.
- Click the **Reboot** button.

VERIFY: If everything is configured as described, the device is now registered. Dial ***123** to verify registration.