

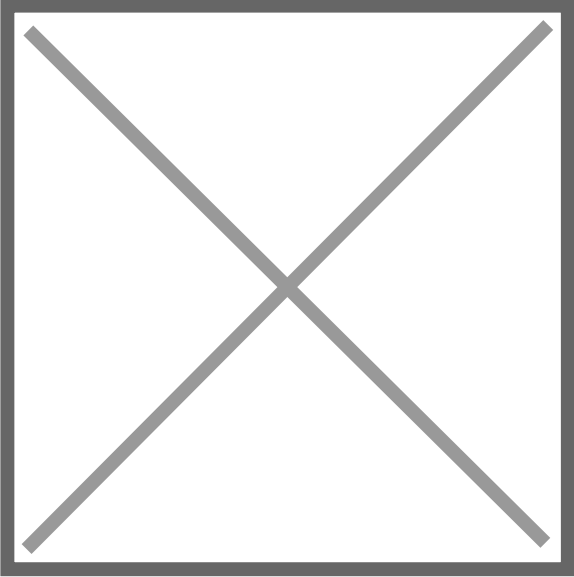
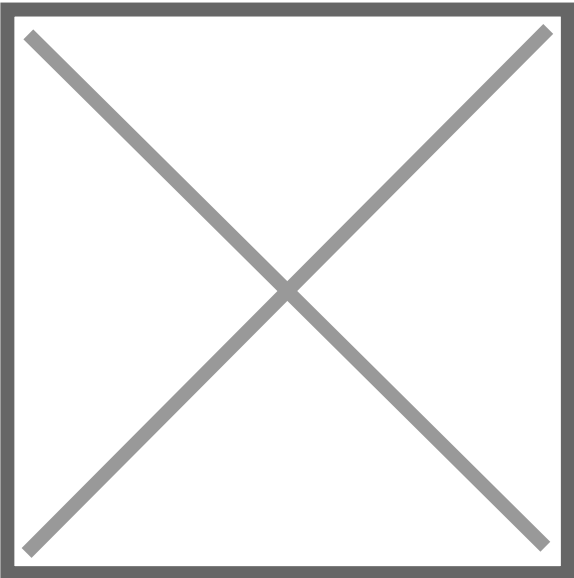
Fixed Reader Setup

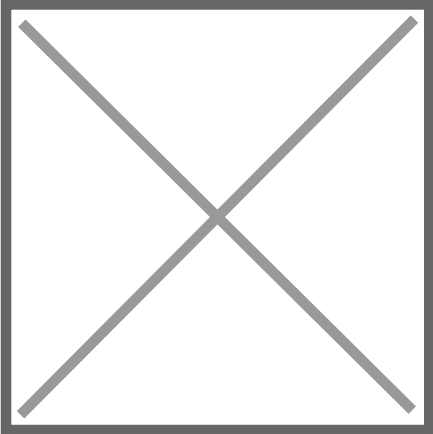
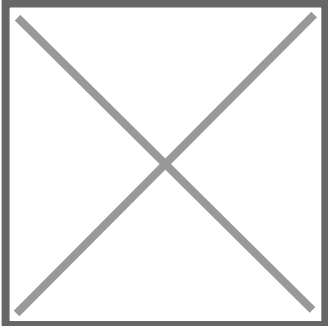
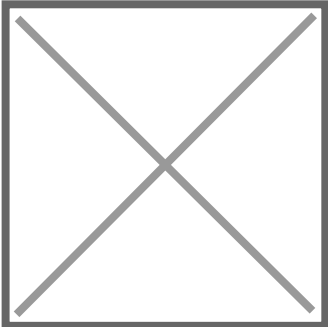
Instructions for setting up your fixed reader

- [Fixed Reader Installation and Setup Instructions](#)

Fixed Reader Installation and Setup Instructions

The following article outlines the steps to setting up a fixed reader within Simple RFID

<ul style="list-style-type: none">• RF Reader	
	<p>Reader connects to Antenna via Coax cable. Reader can be powered via AC power adapter or PoE.</p>
<ul style="list-style-type: none">• Coax Cable	
	<p>Coax cable communicates radio signal from Antenna to Reader. Installer may cut and re-end the coax cable if needed.</p> <p>IF INSTALLER BRINGS COAX: (Needed cable length - Series)</p> <p>5-20 Ft. -- LMR-195</p> <p>25-45 Ft. -- LMR-240</p> <p>50-100 Ft. -- LMR 400</p> <p>Connectors*:</p> <p>MTI Antenna:SMA (male) to R-TNC (male)</p> <p><i>*Connectors based upon antenna</i></p>
<ul style="list-style-type: none">• Antenna	

	<p>Antennas connect to Impinj readers via coax cable. Antenna placement recommended at least 10' from the product. Ensure that the face of the antenna points towards the products.</p>
<p>• Antenna Mount</p>	
	<p>Antenna mount provides various options for placement of antennas.</p>
<p>• AC Power</p>	
	<p>Plugs into the Impinj reader to provide power. If the reader is mounted in an area with no AC power option the reader can be powered via PoE.</p>

Not Included:

- Ethernet Cable (Cat5/6) - This

Install Simple RFID Print Client

Download and Install the Simple RFID Fixed Reader Client from Simple RFID

- **Open** a web browser and navigate to web.simplerfid.com
- **Login**
- **Go to** Settings (gear icon)
- **Select** Resources

- **Download** Fixed Reader Client

Confirm that you can see the device on the network

Check reader availability on the network

You can check if the reader is accessible within the network, by accessing its **Web Interface**:

1. a) **Go to** <https://speedwayr-xx-yy-zz> (or <https://speedwayr-xx-yy-zz.local> if the reader is connected directly to the PC),

where xx-yy-zz is the last three sections of the Speedway reader's MAC address.

or

b) **Enter** local network IP of your reader in the address bar (e.g. 192.168.1.5)

2. **Enter credentials:**

Login:

Password:

(the password may not be shown as you type them)

Set a static IP address on Impinj Speedway RAIN RFID reader

Please note:

The reader has DHCP

Default IP of Reader 192.168.1.5

You may want to change the IP address of the Speedway reader from the default DHCP to a static address.

1. **Download** PuTTY from the link below, if you have not already done so:

<http://www.putty.org/>

2. **Launch** PuTTY. If prompted, run it as administrator.

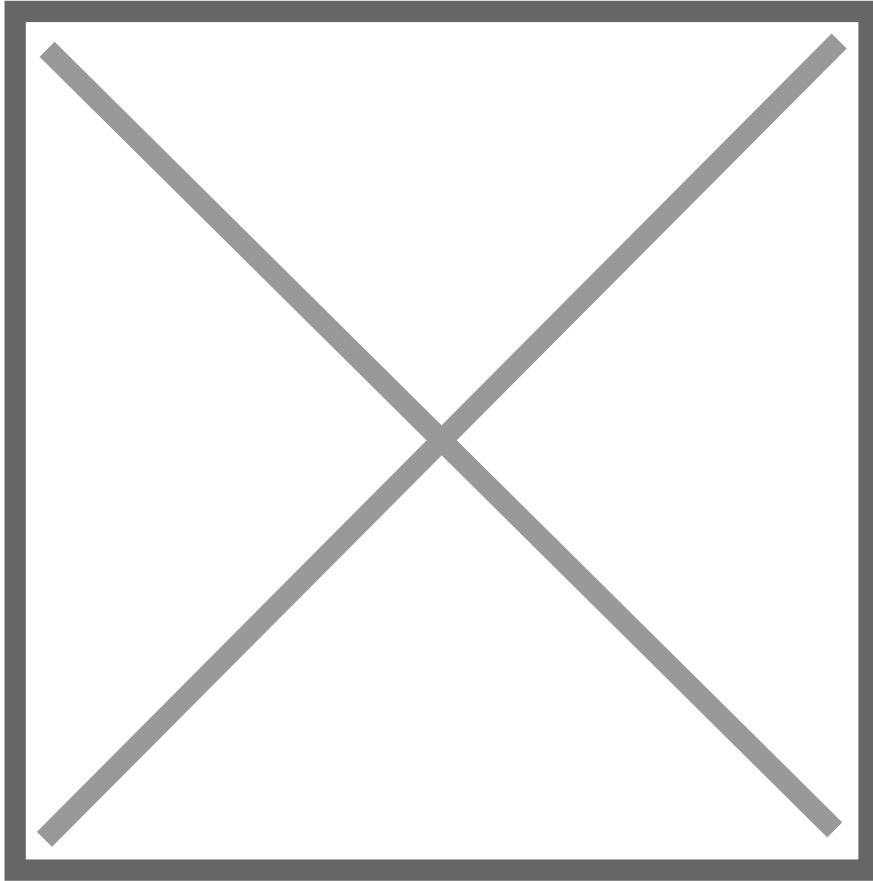
3. In "PuTTY Configuration" screen, **follow** the appropriate steps depending on which port on the Speedway reader you are connected to:

A) **Connect** the Ethernet cable to the Ethernet port on the Speedway reader (not the Console port),

A-1) **Choose** "SSH" Connection type (default).

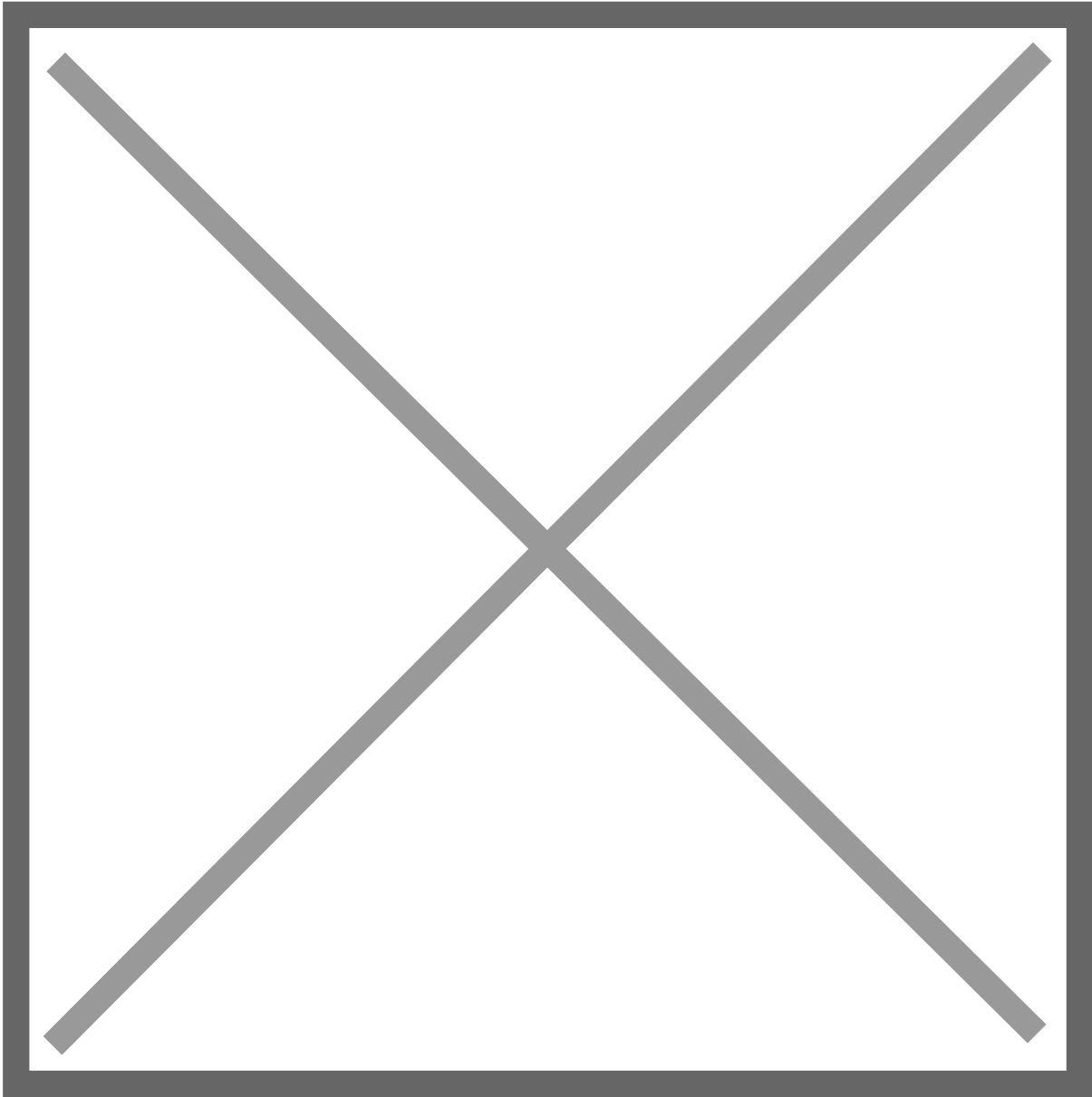
A-2) **Enter** the Speedway reader's hostname in the "Host Name (or IP address)" field.

The hostname for the Speedway reader is: speedwayr-xx-yy-zz where xx-yy-zz is the last three sections of the Speedway reader's MAC address.



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4. **Click** the "Open" button.

5. You should get an RShell login prompt. If you see a blank screen, **hit** the "Enter" key once.



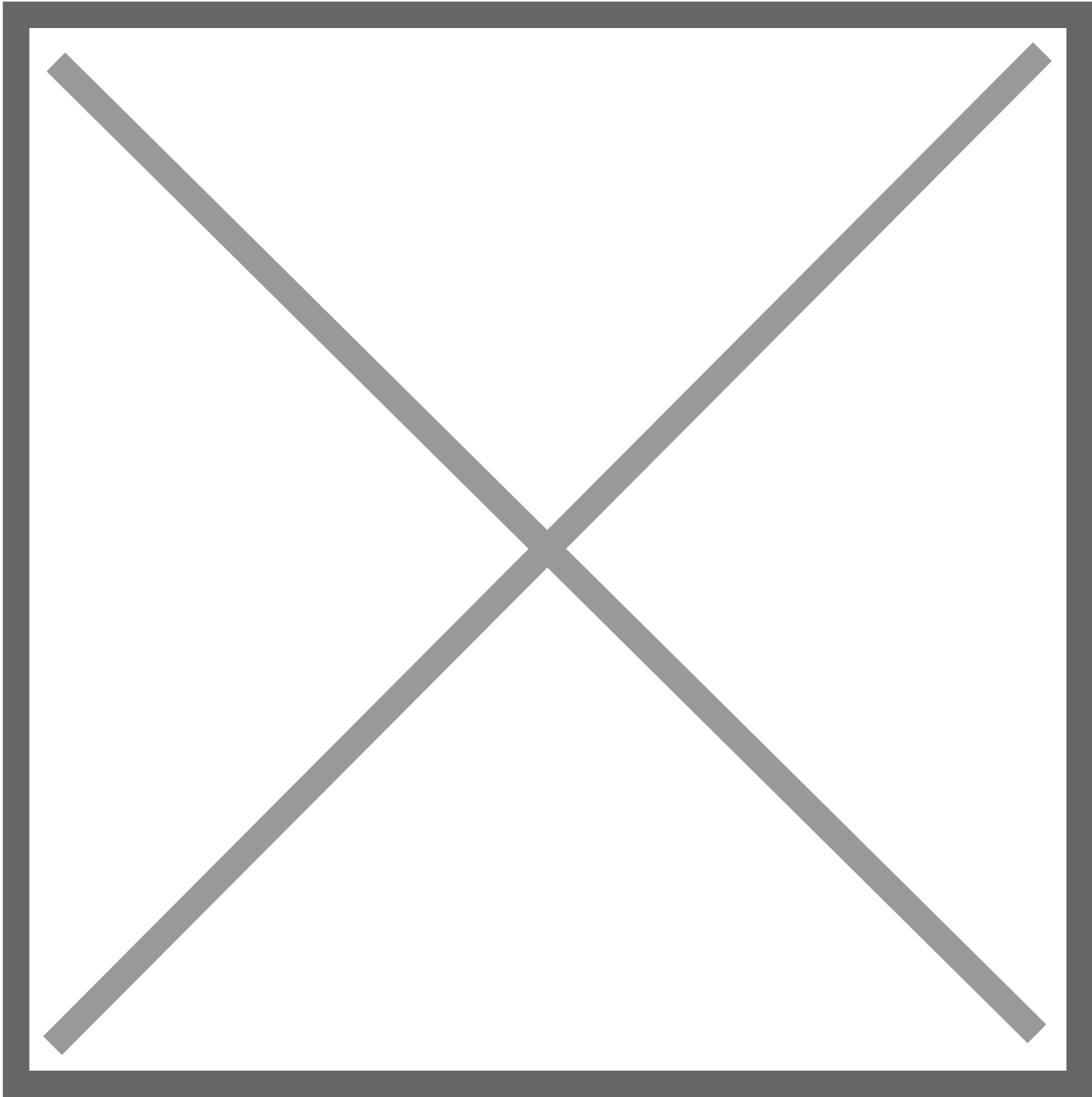
6. **Type** the following login and password information:

Login:

Password:

(the password may not be shown as you type them)

7. Once you've successfully logged in, you will see something similar to the following. You are now logged into the reader's RShell interface.



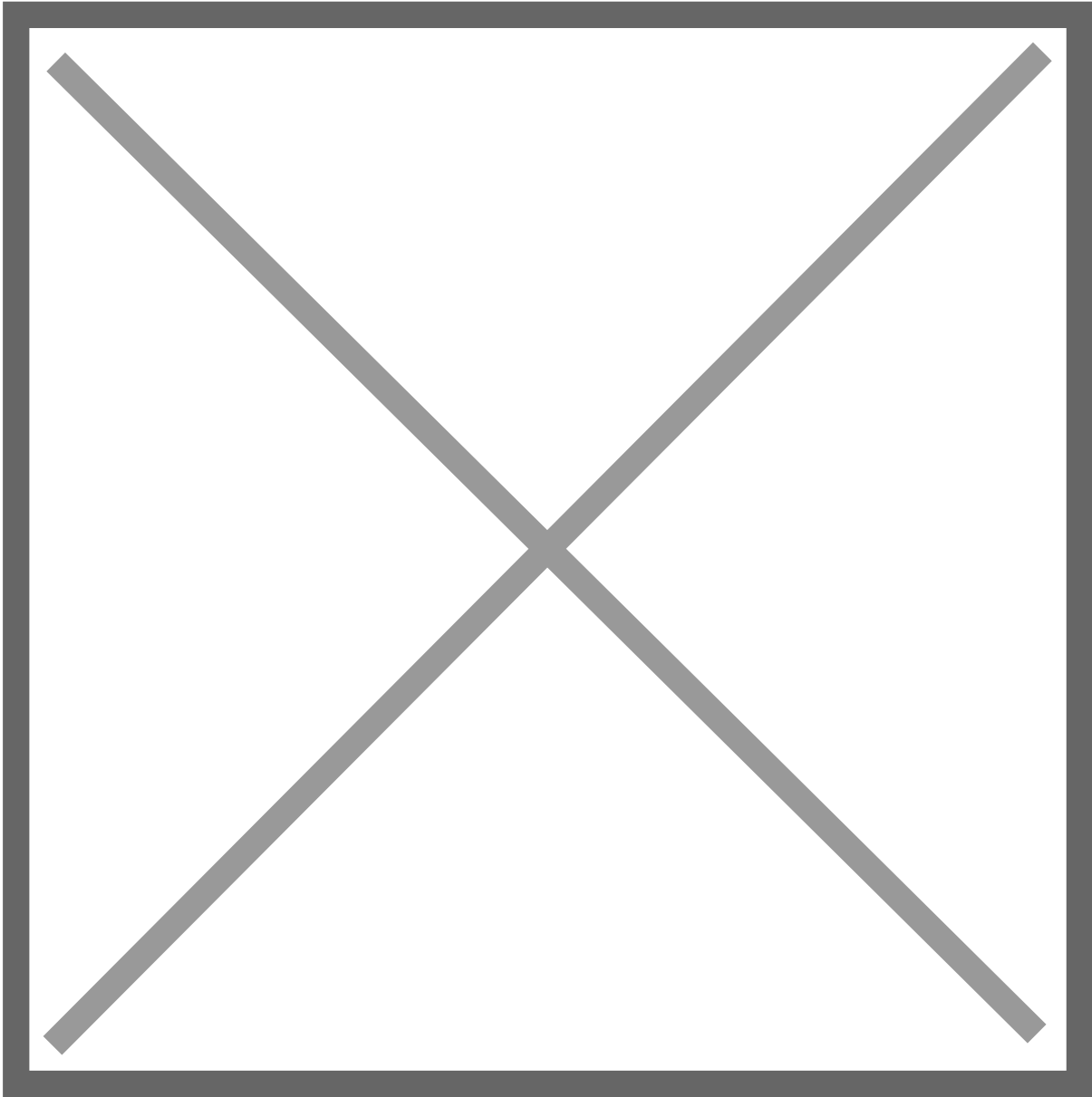
8. To find out the Speedway reader's IP address, type the following at the RShell prompt:

```
> show_network_summary
```

The results (as shown below) indicate a couple of things:

a) `ipAddressMode = 'Dynamic'` means this Speedway reader is set to acquire its IP address via DHCP. If this Speedway reader was set to a static IP address, it would say 'Static'.

b) `ipAddress = '192.168.0.20'` indicates this is the IP address for this Speedway reader.



9. To change the IP address, **type** the following at the RShell prompt:

a) To set the Speedway reader to DHCP:

```
> config network ip dynamic
```

b) To set the Speedway reader to a static IP address:

```
> config network ip static xxx.xxx.xxx.xxx
```

("xxx"s are values between 1 and 255. For example, "config network ip static 192.168.0.20")

--or--

```
> config network ip static xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx xxx.xxx.xxx.xxx
```

For example, if you type:

```
> config network ip static 192.168.0.20 255.255.255.0 192.168.0.1 192.168.0.255
```

you are configuring the IP address, Netmask, Gateway, and Broadcast Address respectively, separated by a space character)

NOTE: consult the [RShell Reference Manual](#) for additional details.

10. To exit from the RShell interface, **type** the following at the RShell prompt:

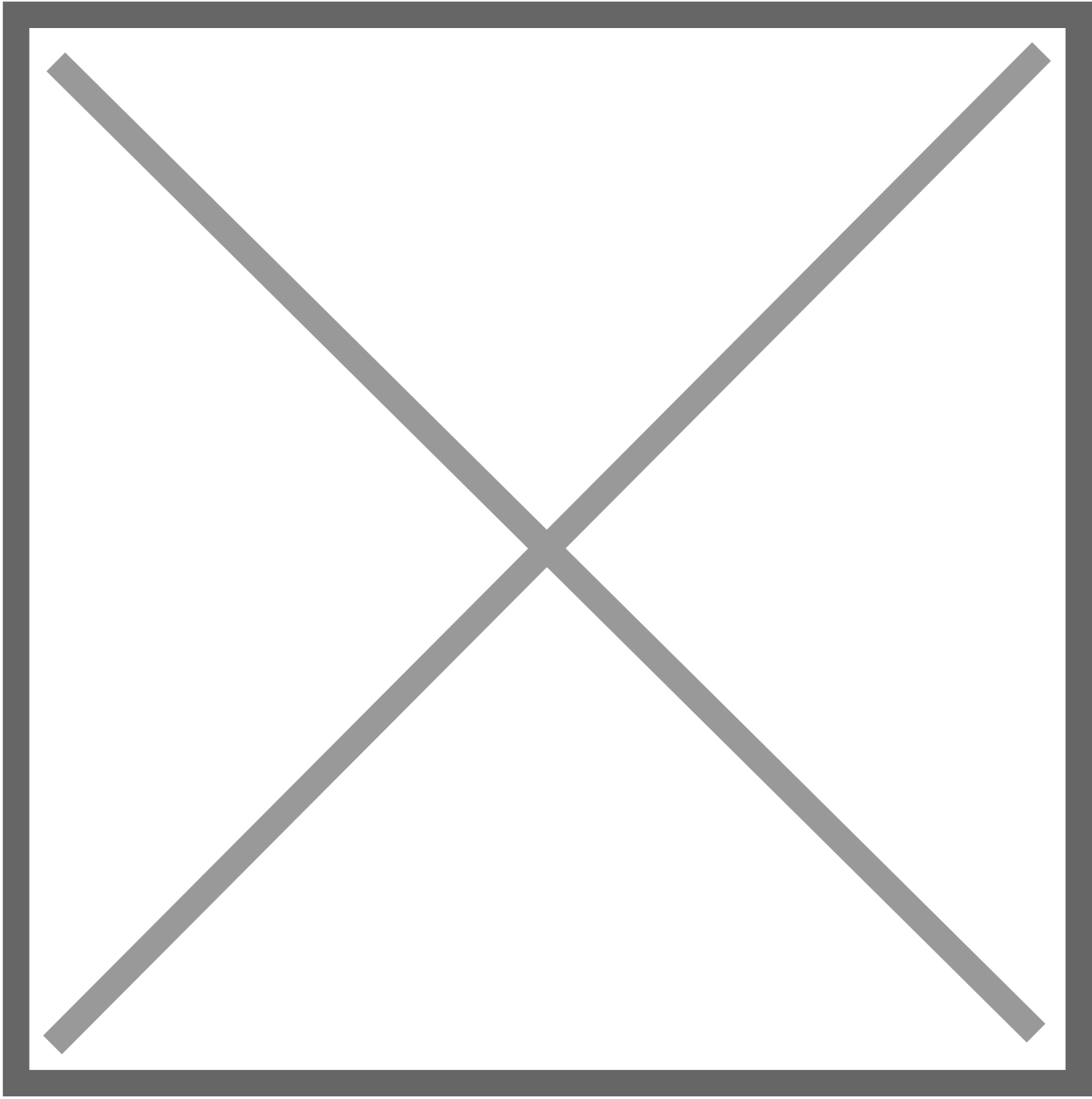
```
> exit
```

Notify Simple RFID that the Reader has been connected

- **Record** the name of the PC (This will allow Simple RFID)
- **Install** AnyDesk.com to allow remote access
 - If possible set a password for unattended access (as simple123)
- **Email** the PC name and AnyDesk ID to support@simplerfid.com

Verify Reader is Sending Data to Simple RFID

- After the reader is connected to the customers account you will need to Enable the reader



<https://support.impinj.com/hc/en-us/articles/202756488-Troubleshooting-Reader-Connectivity-Issues>