



1Gb/s Ethernet Filter & Streaming System
Quick Start User Guide



Thank you for choosing the **muon^{pro}** Streaming System.

This quick start guide will provide you with step-by-step instructions on how to connect, get started and use your **muon^{pro}** Streaming System.

If you have any questions please contact us via **info@networkacoustics.com** and we will be happy to assist you.

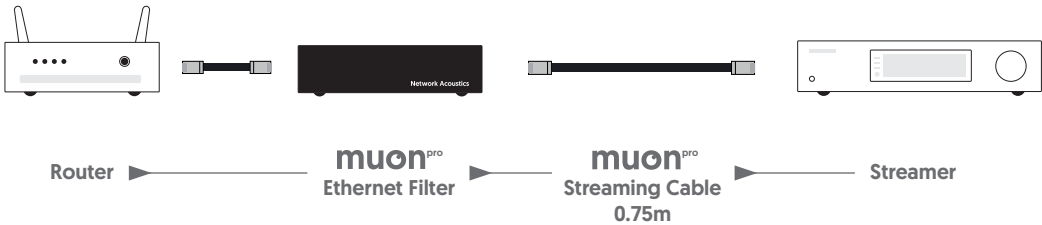


Contents

- 5 **muon**^{pro} Ethernet Filter Basic & Optimum Set up
- 7 **muon**^{pro} Streaming System Basic & Optimum Set up
- 9 Using Additional **muon**^{pro} Ethernet Filters & Streaming Cables
- 11 Additional Information
- 14 Support

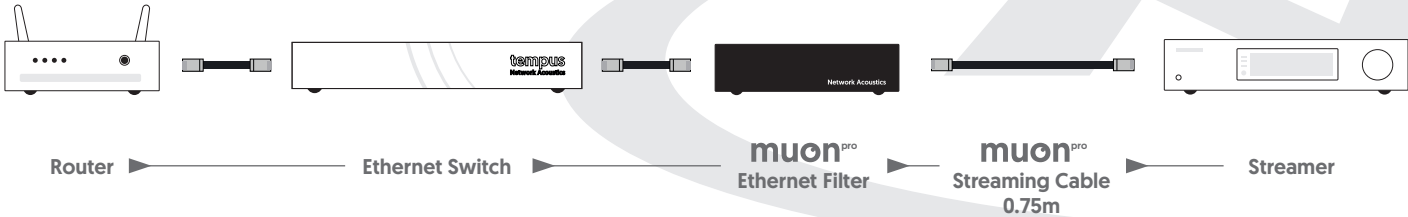


BASIC SET UP



1. Power down your streaming device.
2. Connect the **muon^{pro}** Ethernet Filter and Streaming Cable as illustrated, and please note **muon^{pro}** Streaming Cables are directional.
3. Insert the connector engraved with the arrow into the input of your streaming device, and the other end into the output of the **muon^{pro}** Ethernet Filter.
4. Power up your streaming device and you are ready to stream music.

OPTIMUM SET UP

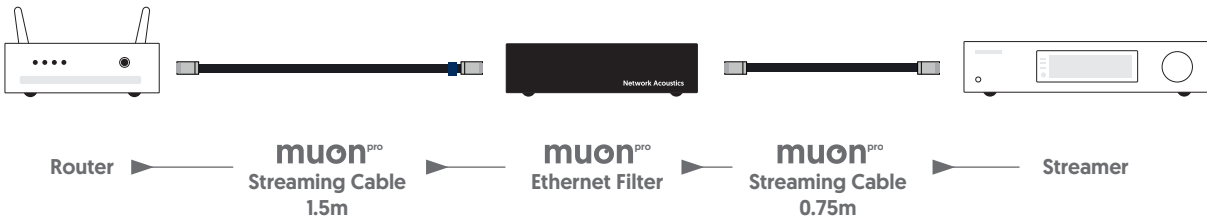


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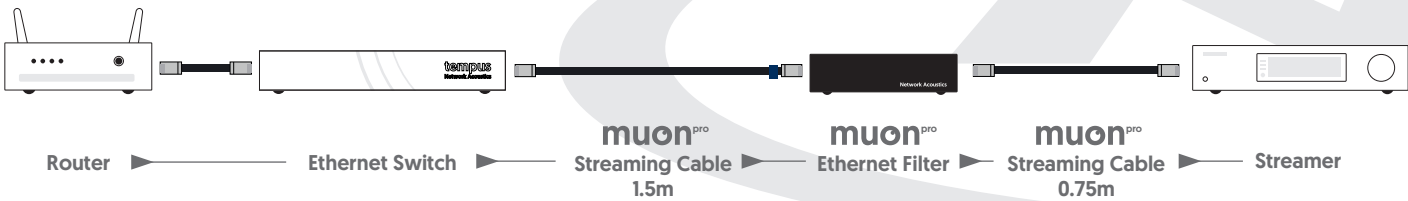
For more information on Basic vs Optimum Set Up please see page 11.

The **muon^{pro}** Ethernet Filter and Streaming Cable require between 150-200 hours of running-in before they reach peak performance [please see our “Running-in” guide on page 13].

BASIC SET UP



OPTIMUM SET UP

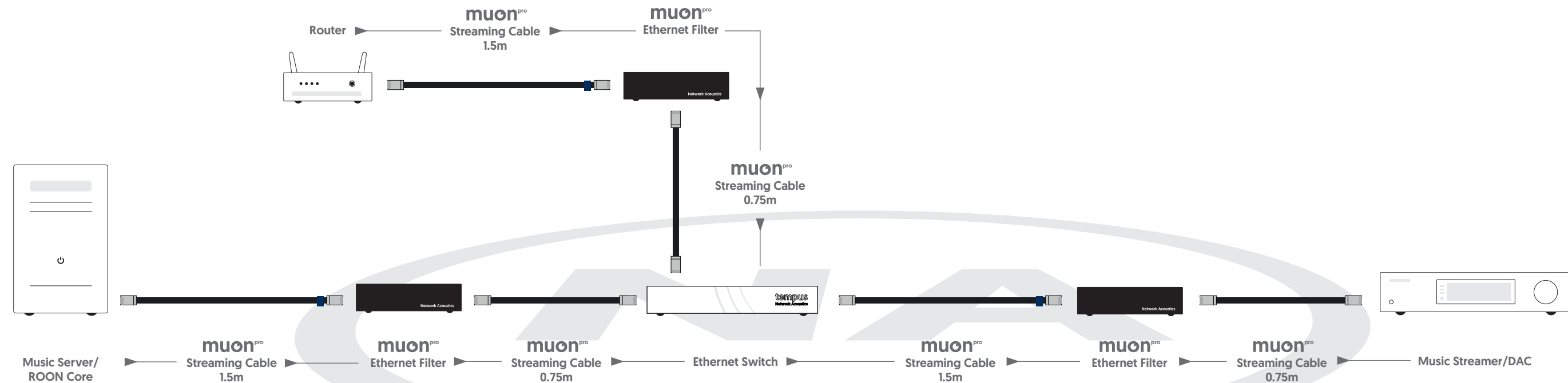


- 1. Power down your streaming device.
- 2. Connect the **muon^{pro}** Ethernet Filter and Streaming Cables as illustrated, and please note that **muon^{pro}** Streaming Cables are directional.
- 3. 1.5m Streaming Cable - insert the connector engraved with an arrow into the input of the **muon^{pro}** Ethernet Filter, and the other end to the router or switch.
- 4. 0.75m Streaming Cable - insert the connector engraved with an arrow into the input of the streaming device, with the other end to the output of the **muon^{pro}** Ethernet Filter.
- 5. Power up your streaming device and you are ready to stream music.

Please Note:

For more information on Basic vs Optimum Set Up please see page 11.

The **muon^{pro}** Ethernet Filter and Streaming Cable require between 150-200 hours of running-in before they reach peak performance [please see our “Running-in” guide on page 13].



You may want to consider exploring the use of additional **muon^{pro}** Ethernet Filters and Streaming Cables between your Music Server, ROON Core, Switches and Router, because all of these components will introduce unwanted network noise.

By connecting additional filters and cables as shown above, you can achieve significant incremental improvements in sound quality, making your listening experience even more enjoyable.

Basic vs Optimum Set Ups

As shown in diagrams on the previous pages, the basic set up will bring improvements in sound quality, but for optimum performance we recommend the installation of an Ethernet Switch (ideally one designed for high quality audio) located close to your audio system. Network Acoustics' **tempus** ethernet switch delivers reference performance for this purpose.

All active Ethernet devices emit noise which mixes with the data, and one of the biggest polluters is the WiFi router. The addition of an Ethernet Switch helps in two ways. First, it allows you to position your noisy router further away from your sensitive audio equipment minimising negative effects of the WiFi signal. Second, the switch will re-clock the data making it cleaner, which helps to isolate some of the electrical noise from the router and making the **muon^{pro}** Ethernet Filter even more effective.

Why **muon^{pro}** is designed to work at 1Gb/s

muon^{pro} 1Gb/s Ethernet Filter and Streaming Cables have been meticulously designed to take advantage of the benefits offered by a 1Gb/s connection.

1. Best For Sound Quality

While a 100Mb/s connection between an Ethernet Switch/Router and the Streamer provides more than enough bandwidth to stream HiRes music without any dropouts, our testing and critical listening has conclusively shown that a 1Gb/s connection significantly enhances the sound quality of streamed music compared to using a 100Mb/s connection.

2. Comprehensive Noise Filtering

With **muon^{pro}** all 8 conductors within a standard 8-wire Ethernet cable are cleaned, whereas with 100Mb/s filters only 4 of the conductors are cleaned, leaving the other four connected and untreated.

3. Universally Compatible & Future-proof

muon^{pro} Ethernet Filters and Streaming Cables are designed to be universally compatible, now and in the future. There is a growing trend with new streaming equipment being optimised to work at 1Gb/s, with an increasing number of devices that will only work with a 1Gb/s connection. In addition to hardware, we are also seeing 'specialist for audio' protocols and software such as Ravenna, HQ Player and Diretta which are either optimised or will only work with 1Gb/s equipped devices.

Running-In

The **muon**™ Ethernet Filter and Streaming Cable both require around 150-200 hours running-in with data constantly flowing through. The running-in process requires your Streaming Device, Router, and/or Ethernet Switch to be powered on and the Streamer to be playing music.

Running-in can be system dependent, but as a guide during the first few hours these products can sound overly smooth and a little dulled, then after around 20-30 hours the sound will begin to open up and become more resolving and dynamic, all of which will continue to improve until they reach peak performance at around 150-200 hours.

Please Note:

If the Streaming Device is connected to the DAC with a USB cable, the DAC must be powered on, or no data will pass through the streamer.



For product support, FAQs and additional information please visit: networkacoustics.com



networkacoustics.com