

London 
Symphonia

Livestreaming

We are delighted to have you join us for our livestreamed performances, as we continue to find fresh and exciting ways of bringing music to you. Thank you for bringing London Symphonia into your home.

Part of enhancing the at-home London Symphonia experience involves ensuring that your computer equipment is delivering the best possible audio and visual combination. Any improvements can then be enjoyed for all of your livestreaming needs. We are here to help, and the following options are available to you:

1. Feel free to follow the DIY guide below prepared by John Wiebe. John explains some basic considerations and solutions for various home viewing setups.
2. Alternatively, please send an email to contact@londonsymphonia.ca describing the problem that you've encountered & we will endeavour to assist you with a solution.

We want to ensure that your livestreaming experience with London Symphonia is optimal and hassle-free, and we hope that the following suggestions will be of benefit to you.

TECHNICAL SPECIFICATIONS

1. Devices

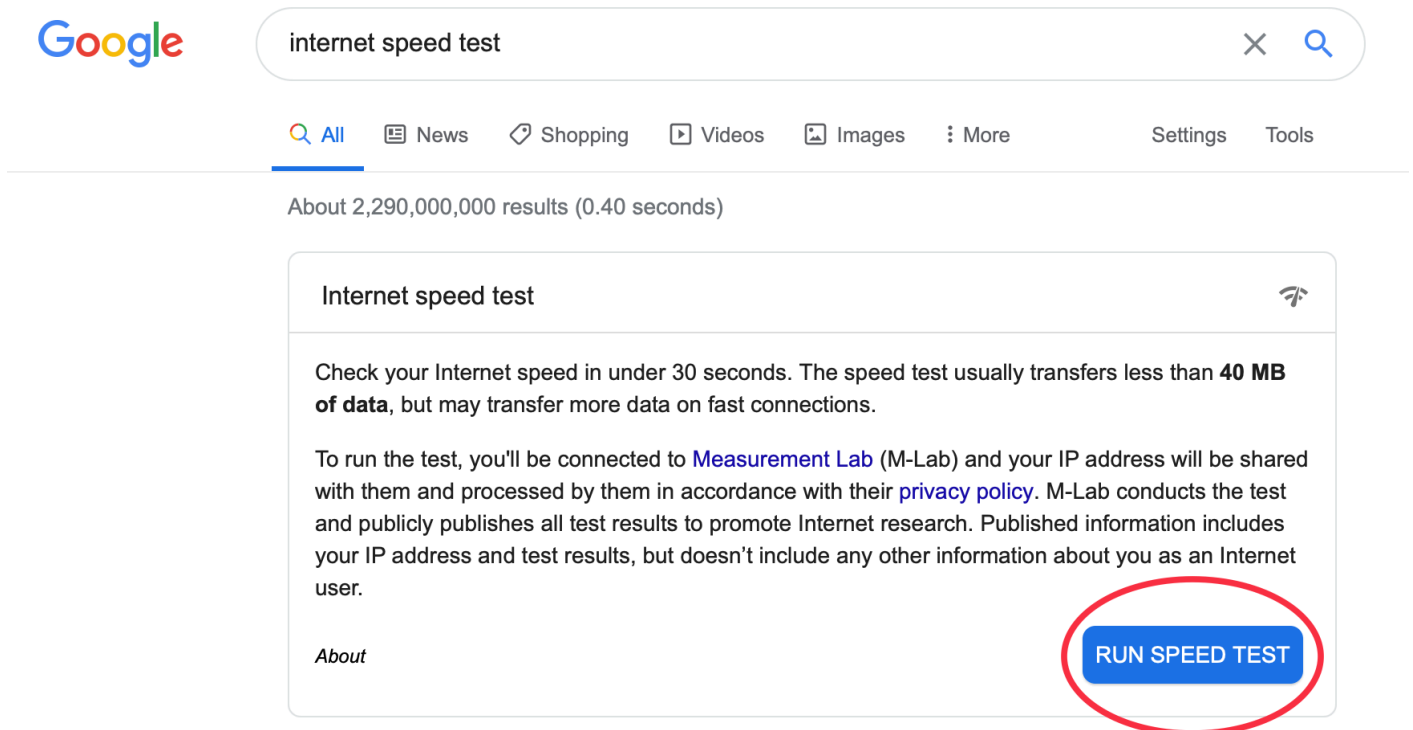
We recommend watching the livestream on a desktop or laptop computer, although a smartphone or tablet will also work.

Any Windows PC running Windows 7 or higher/Mac Computer running MacOS 10.11 should be sufficient. An internet connection speed of a *minimum* least 15MB/s is necessary, but at least 25MB/s is recommended.

To determine your internet speed, navigate to www.google.ca, and search "internet speed test." Then, run the test as per the image below.

If you are normally able to stream video on platforms such as Netflix or YouTube, your device and internet connection should be sufficient.

If you have questions regarding upgrading your current device, please email contact@londonsymphonia.ca for advice.



The image shows a Google search interface. The search bar contains the text "internet speed test". Below the search bar, there are navigation links for "All", "News", "Shopping", "Videos", "Images", and "More". To the right of these links are "Settings" and "Tools". Below the navigation links, it says "About 2,290,000,000 results (0.40 seconds)". The main search results card is titled "Internet speed test" and contains the following text: "Check your Internet speed in under 30 seconds. The speed test usually transfers less than **40 MB of data**, but may transfer more data on fast connections." Below this text, it says: "To run the test, you'll be connected to [Measurement Lab \(M-Lab\)](#) and your IP address will be shared with them and processed by them in accordance with their [privacy policy](#). M-Lab conducts the test and publicly publishes all test results to promote Internet research. Published information includes your IP address and test results, but doesn't include any other information about you as an Internet user." At the bottom left of the card is an "About" link. At the bottom right of the card is a blue button labeled "RUN SPEED TEST", which is circled in red.

2. Audio Quality

If you are watching on a laptop, your built-in speakers may not provide sufficient audio quality to deliver a rich orchestral sound. In that case, we recommend purchasing external speakers, which will enhance your audio quality.

Speakers come in a range of quality and price, and here are some options we have researched.

Logitech Z150 2.0 Channel Computer Speaker System

\$24.99 on [amazon.ca](https://www.amazon.ca)



https://www.amazon.ca/Logitech-Channel-Computer-Speaker-980-000802/dp/B00KK9481I/ref=sr_1_3?dchild=1&keywords=computer%2Bspeakers&qid=1596040158&sr=8-3&th=

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Logitech Z313 2.1 Channel Computer Speaker System

\$49.99 on [amazon.ca](https://www.amazon.ca)



https://www.amazon.ca/dp/B00KK9481l/ref=dp_cr_wdg_tit_nw_mr?th=1

Bose Companion 2 Series III Multimedia Speakers for PC

\$109.99 on [amazon.ca](https://www.amazon.ca)



https://www.amazon.ca/354495-1100-Companion-Haut-parleurs-multimédia-entrée/dp/B00CD1PTFo/ref=sr_1_8?dchild=1&keywords=computer+speakers&qid=1596040158&sr=8-8

If you already have computer speakers at home, you can test the quality, to ensure they will provide a full orchestral experience.

Use the following YouTube link to hear an excerpt of the Berlin Philharmonic performing Richard Strauss' [Don Juan](#). If the upper strings and woodwinds sound thin, or if the bass instruments of the orchestra are not clear and full, you may wish to upgrade your speaker system.

3. Watching on the Big Screen

You may wish to watch our livestream concerts on your TV. If so, there are different ways to accomplish this.

If you have an Apple TV or Android box, or a smart TV that supports chrome casting, chances are that you already know how to mirror your screen.

If you do not have a smart tv, you can likely display the contents of your computer using the HDMI port on your laptop or desktop. Your TV will also need to have an HDMI port.

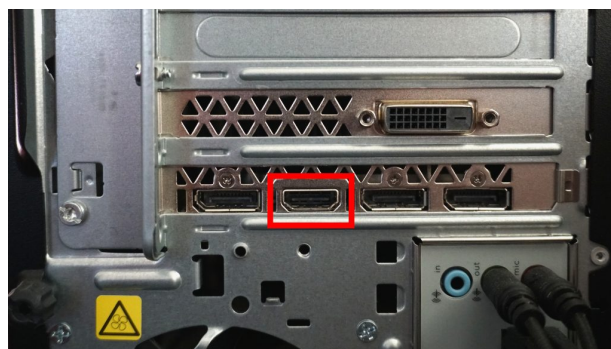
It will look something like the following:



HDMI on TV



HDMI on Laptop



HDMI on Desktop

You can easily purchase an HDMI cable at any electronics store. If your TV or computer does not have an HDMI port, you may need to purchase additional adaptors; for example on some newer Macs.

4. Troubleshooting

To ensure that you will have a seamless concert experience from the comfort of your home, we will be offering email Tech Support. London Symphonia is pleased to offer this to you, free of charge. If you require technical support please send an email to contact@londonsymphonia.ca describing the difficulty that you're having & we will respond as soon as we are able.