

0.3 Hardware Setup

The NMP Evaluation example considers a study undertaken with 2 performer participants and 1 researcher overseeing the study. There are therefore 3 endpoints considered: the 2 participant endpoints (endpoints A and B) and 1 control room endpoint (Control Room).

For the purposes of controlled study deployment on a LAN is considered in the example provided.

Each endpoint consists of a computer (laptop or desktop), audio interface, microphone and headphones. Each computer should be connected to the LAN router.

At Endpoint A the microphone should be input to a mic splitter. One output from the mic splitter should be input to input channel 1 on the audio interface at endpoint A. A second output from the mic splitter should be input to channel 2 on the audio interface at endpoint B.

At Endpoint B the microphone should be input to a mic splitter. One output from the mic splitter should be input to input channel 1 on the audio interface at endpoint B. A second output from the mic splitter should be input to channel 2 on the audio interface at endpoint A.

Connecting these analogue lines allow us to provide a baseline latency condition in study, where no additional latency is incurred sending audio over a network.

At the Control Room endpoint the microphone is input to channel 1 on the audio interface.

At each of endpoints A and B the participant hears their own instrument and the remote participant auralised.

At the Control Room endpoint a researcher is provided with talkback to the participants and monitors.

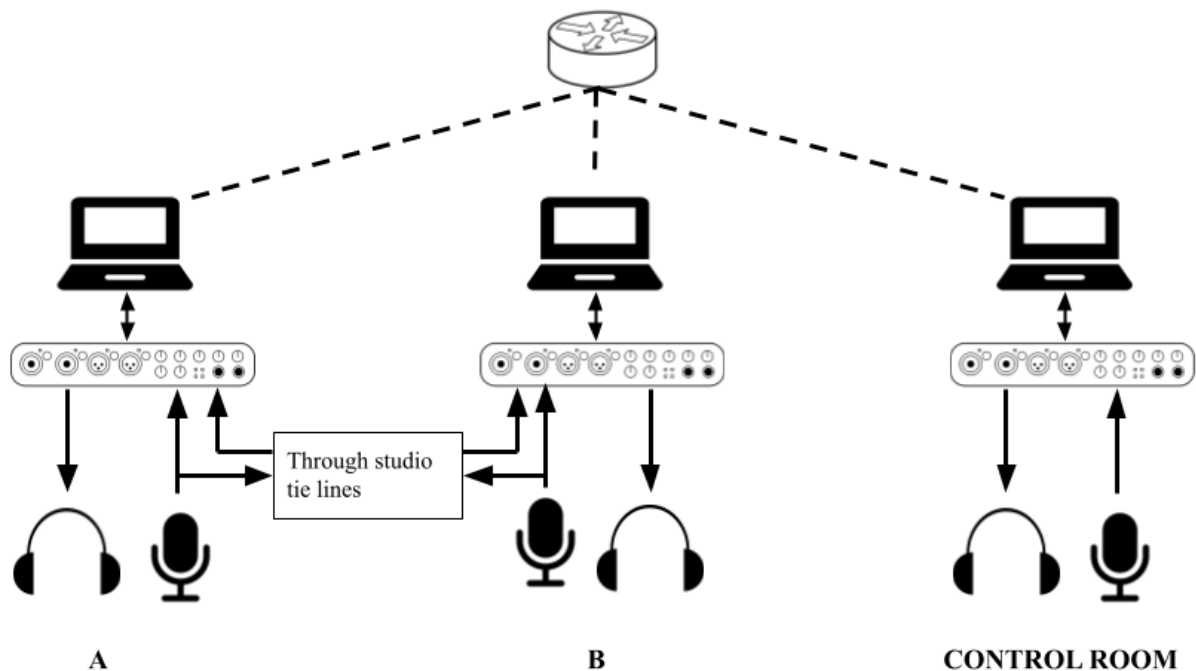


Fig. 0.3.1 Hardware setup for the NMP evaluation example.