Best practice

Streaming from Network Storage to Hegel with iOS
Quick facts

• NAS  Network Attached Storage
• Renderer  The device you want to play «to»
• Library  The device you want to play «from»
• iOS  Operating system for Apple mobile devices
• Twonky  Program that allows you to connect the «library» directly to the «renderer», without going through the control device in your hand.
• SSD  Solid State Drive (hard drive without a spinning disc)
What NAS should I choose?

• We use Qnap. This guide shows you set up with Qnap. They are a little more expensive but are also very easy to use, fast and reliable.

• The model we chose is TS-251 (not pro), with 2 hard drive bay’s

• A critical part is the hard drive. The new SSD drives are a lot faster compared to the classic 5400 or 7200rpm drives. Choosing an SSD drive asures quick access to your songs.

• You will need a lot of storage. Choose the biggest drive you can afford.
Ripping CD’s

• If you want to rip CD’s you must choose a quality ripping program.

• We have tried the following freeware with good results
  • Exact Audio copy (PC only)
  • DB Power Amp (PC and Mac)

• Choose your format with care
  • WAV is considered the «purest» and works best across platforms. But does not allow much meta data (info about songs, cover art etc)
  • FLAC (lossless only) is theoretically equally good and allows a very nice library of music with very little work on your side.
Setting up your Qnap NAS

• Fit the hard drive to one of the hard drive bays
• Connect the Qnap to your home network via cable and to mains power
• Open the browser on your PC or MAC (must be connected to the same network) and type the address: start.qnap.com
• Then follow the set-up instructions online. The Cloud Key is usually found on the physical Qnap NAS.
Adding Music to your Qnap NAS

1. Log on to your Qnap and you will see the «home screen»

2. Double click on the «Music Center» app

3. Click «tracks» on the top left of the pane, and then click the arrow for «add tracks»

4. A new small pane will appear. Click browse, and mark all the songs and album art of the album you want to add. Depending on your network, adding them might take a while
Setting up Twonky

1. When you have added your music you want the library to appear instantly on your control device screens. And you want to use the Twonky to have quick access, and the best sound.
   - So you exit the Music Center, and open the Control Panel screen.
   - Down left, click «application servers» and then choose «DLNA-Media server»
   - In the pane that now opens, check that the «activate TwonkyMedia DLNA server» is activated.
   - Then click the link below

2. Then this twonky pane will appear. Choose «Advanced», and write in a rescan interval of «-1».
   Rescan intervals is how often your control device should check the media content on your NAS. If it says 5, it could take 5 minutes from you add a song until it is playable. -1 means that it is constantly online. Later you may want to change it as it eats bandwidth.
Choosing a controller for iOs

• iOS is a little more quirky and we haven’t yet found the ultimate app.
• But you can actually use almost any one you like.
• Most feedback have come from users of the Linn Kinsky app, so we have based ourselves on this.
• Is it absolutely flawless? Nope. But it works pretty well with our amps
• ...and we all just love our Apple devices, don’t we?
1. Open the Linn Kinsky app. On the left side you can choose «Library». Choose «TwonkyMedia» for your NAS drive. Based on experience it could take a while before the Twonky choice comes up.

2. When you have chosen TwonkyMedia, you will have the choice of opening your library of music. Then click on «albums» or «artist» based on what you want to listen to.

3. Then, in the middle you will need to choose your renderer. But here it is called the «room». Og ahead and choose your Hegel amp, and you are almost ready to play.
A thing with iOS

The players on iOS devices have a tendency of disconnecting the session when they go into screen saver mode.

The best way of avoiding this is by going to settings (bottom left in the Kinsky player). Click it and open the pane (left).

Click «prevent auto-lock», and you will have the choices you see to the right.

Choose «Always»
Adjusting the volume

Adjusting the volume on the Hegel amp is done by clicking the wheel to the top right corner of the app.

The icon will always show the volume setting on your Hegel amp. By clicking it, you open the wheel and can turn it to adjust the volume level.
Have fun

• Have fun playing music.

• The volume control in the Kinsky app will now constantly sync with the Hegel amplifier. Meaning you can adjust the volume with your iOS device.

• When adjusting the volume you are actually adjusting the volume in the H300. It is NOT a digital volume attenuator, meaning sound quality will be maintained regardless of volume level.
Disclaimer

• This a a guide based on a set-up that works for us at Hegel.
• We do not have capacity to offer support for any of the third party devices or software mentioned in this guide
• The idea is to help you get started with a thing that may seem difficult to start with.