

QNAP



QNAP & Roon Team up to Provide an Optimal Music Streaming Solution for Music Enthusiasts

In-depth intro of Roon & QNAP NAS

- **Roon & QNAP NAS Make an Optimal Music Streaming Solution**
- **Roon Intro**
- **Choose a Roon Core**
- **Plays with your gear**
- **Roon x QNAP NAS: Guide for Environment Setting**
- **Build a Multi-zone Streaming Environment**
- **Successful Story**



I'm a Music Lover...

1

I own **a rich collection of digital music**. Lots of them are in high quality - lossless formats. I need a **massive storage**.

2

I want an **easy way to manage the collection**. Quickly locating desired music is a must.

3

I want to share and stream my music to multiple devices and outputs.



A perfect music management requires...



Intuitive
Management
Panel

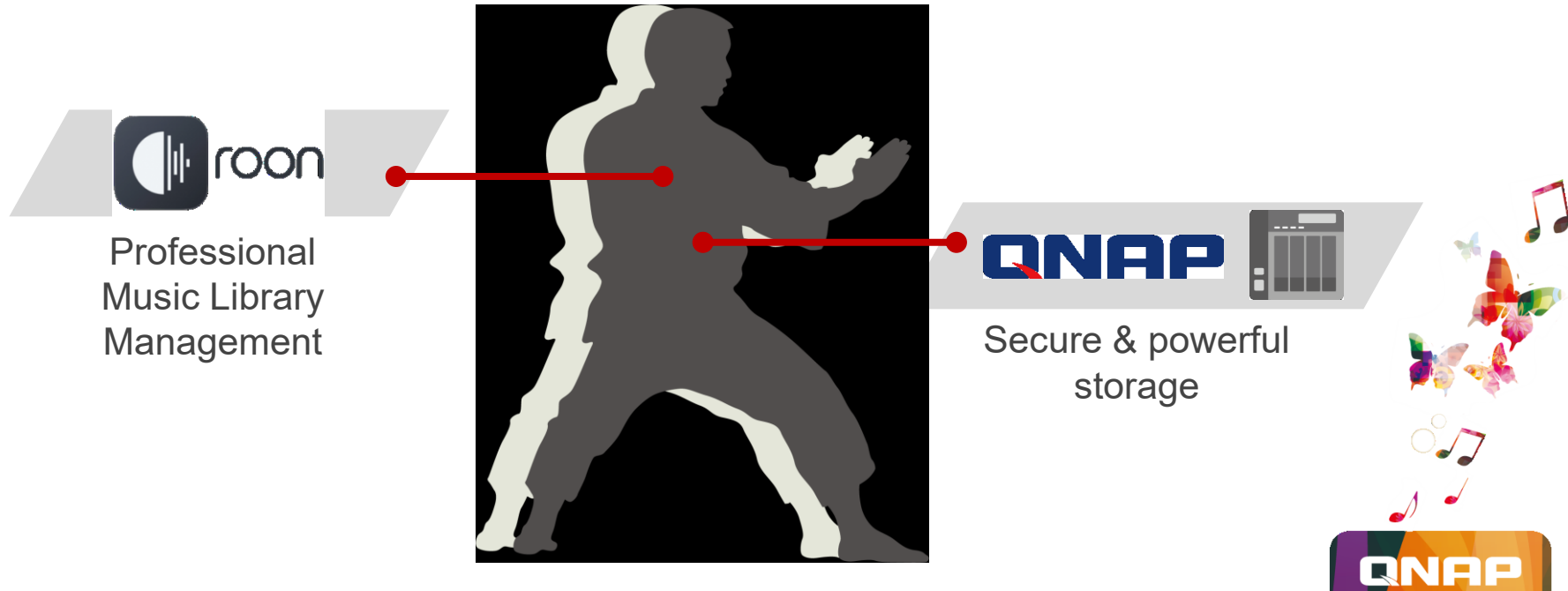


Advanced
storage
solution



The best combination for Hi-Fi streaming

Roon x QNAP NAS



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Roon Intro

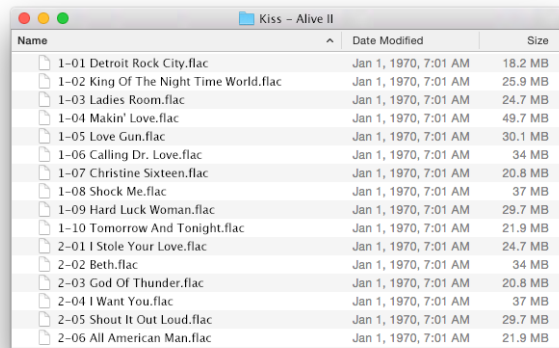


Challenges to Digital Music

Exquisite Album



Hmm...



Name	Date Modified	Size
1-01 Detroit Rock City.flac	Jan 1, 1970, 7:01 AM	18.2 MB
1-02 King Of The Night Time World.flac	Jan 1, 1970, 7:01 AM	25.9 MB
1-03 Ladies Room.flac	Jan 1, 1970, 7:01 AM	24.7 MB
1-04 Makin' Love.flac	Jan 1, 1970, 7:01 AM	49.7 MB
1-05 Love Gun.flac	Jan 1, 1970, 7:01 AM	30.1 MB
1-06 Calling Dr. Love.flac	Jan 1, 1970, 7:01 AM	34 MB
1-07 Christine Sixteen.flac	Jan 1, 1970, 7:01 AM	20.8 MB
1-08 Shock Me.flac	Jan 1, 1970, 7:01 AM	37 MB
1-09 Hard Luck Woman.flac	Jan 1, 1970, 7:01 AM	29.7 MB
1-10 Tomorrow And Tonight.flac	Jan 1, 1970, 7:01 AM	21.9 MB
2-01 I Stole Your Love.flac	Jan 1, 1970, 7:01 AM	24.7 MB
2-02 Beth.flac	Jan 1, 1970, 7:01 AM	34 MB
2-03 God Of Thunder.flac	Jan 1, 1970, 7:01 AM	20.8 MB
2-04 I Want You.flac	Jan 1, 1970, 7:01 AM	37 MB
2-05 Shout It Out Loud.flac	Jan 1, 1970, 7:01 AM	29.7 MB
2-06 All American Man.flac	Jan 1, 1970, 7:01 AM	21.9 MB

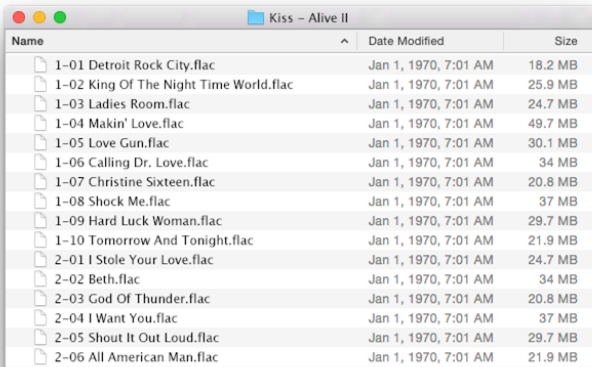
Great music experience that you can not experience by windows and folders.



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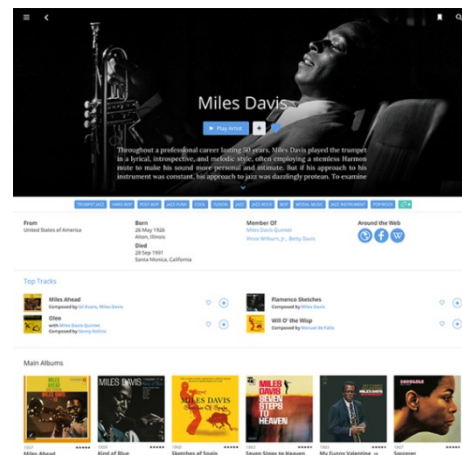
What Roon helps you...

Turn ordinary database...



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into delicate music magazine



Roon is your music guide to broaden your musical horizons

QNAP

Roon - The Music Player for Music Lover

1 Hybrid Music Library

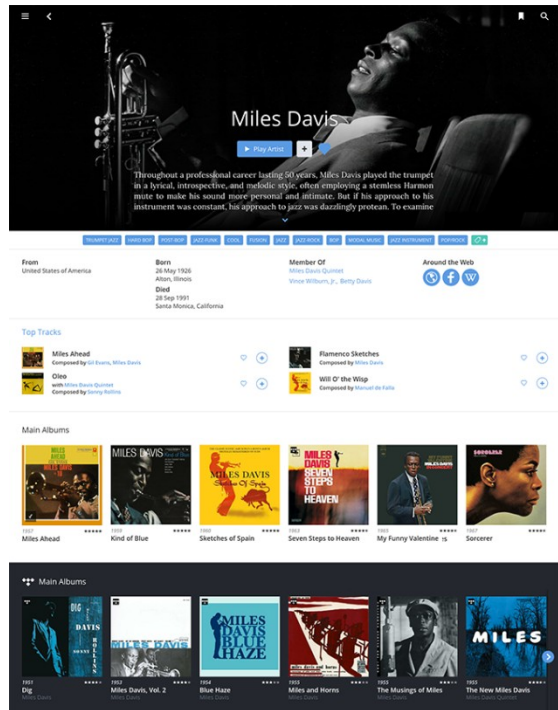
Integrate local library with online Roon metadata. Artist bio and albums are available.

2 Quick Play

Categorized by genre, artist, top ranking. You can quickly find what you want.

3 Multizone Streaming

Support high quality, various formats, and customized zone streaming.



Roon Infrastructure



Roon Control

Computers, Phones, Tablets

Browse and Control Applications



Roon Core

Computers, NAS

The core to integrate personal music library and online database



Roon Output

Network players, Roon ready devices

Stream music to multimedia devices.





Choose a Roon Core





Requirement of Roon Core

The Core manages your music collection from many sources, and builds an interconnected digital library using enhanced information from Roon.

A

High
Efficiency

B

Massive
Storage

C

Secure and
reliable
data protection

Properties of an ideal hardware platform

The Highly-Efficient TS-1277

- your best choice

SSD Cache
optimizes output quality

Install Roon Core on SSD to
speed up the application.

HDD*8, RAID 5,
Massive storage for Music
Library and its backup

CPU: AMD Ryzen 5 1600 6-
core/12-thread 3.2GHz
processor, Turbo Core 3.6 GHz



Secure your data with QNAP storage solutions

RAID Data Protection



- No worries for disk damage on RAID1/RAID5. A copy is always there.
- Automatically recovers data on the hard disk.

Backup







- Backup to cloud storage, remote NAS.
- Safeguards the data transmission with advanced protection

Snapshot



- Scheduled auto snapshot
- Flexible version restoration

The best choice for Roon Core - QNAP NAS

	Common Storage Option: Computer as core	QNAP NAS as core
High Performance Computing		
Large Storage Space	Need to Plug in External Hard Disk	
Appropriate Backup System	Need to build Independent Backup System.	

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Plays with your gear



Support multiple devices as a Roon Control

Download the application and connect to the core. Enjoy the high quality music experience!



Android

iOS

Mac / Windows



Stream music to players

Roon streams to all the audio gears you have, and makes them all play nice together.



Quad-core Silent NAS HS - 251+

Mac / Windows

Network Players
Airplay,
Squeezebox,
Meridian

Roon Ready
Partners





Roon x QNAP NAS Guide for Environment Setting



Import music contents to QNAP NAS

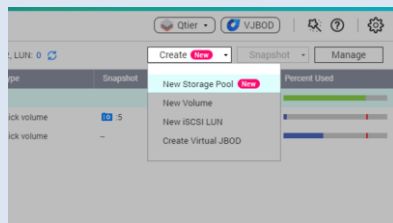


To import from exFAT storage devices, please purchase a license in License Store first.

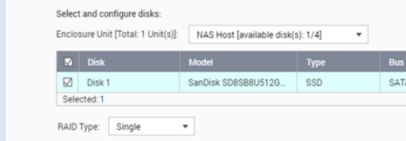
Install Roon Core on QNAP NAS

Create Storage Pool and Volume on SSD

Create a storage pool in "Storage & Snapshots."

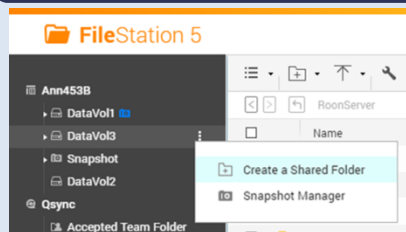


Create a volume on SSD



Build Core Folder

Create a Shared Folder for the SSD



Name the folder "RoonServer"

Create A Shared Folder

Please fill out the following fields to create a shared folder

Folder Name:

Comment (optional):

Disk Volume:

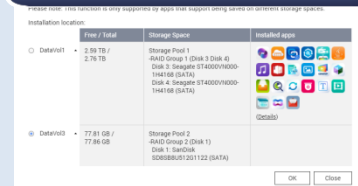
Other Auto Tuning: ☐ Enable Auto Tuning

Install Roon Server

Search "Roon Server" in "App Center" and install it



Specify the SSD volume



Use Roon App to import your music library

Open Roon
(PC/Mac/Android/iOS)

Choose your core

Choose your Core

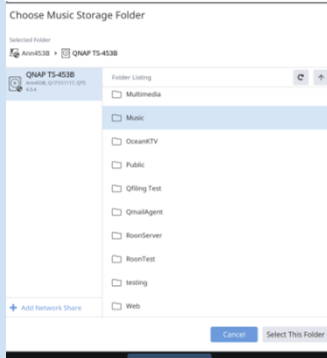


I want to connect to a different Core

Configure Roon OS devices on your network

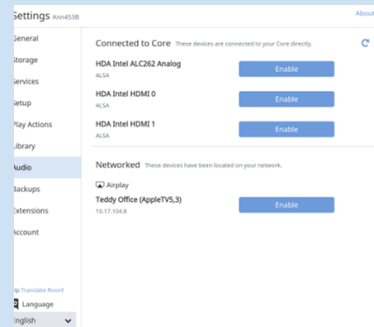
Import Music

Import music from
NAS



Setup Outputs

Enable the output
devices



The Hybrid Music Library

Artist bio

Community,
Wikipedia

Top ranking

The screenshot shows a music application interface for the artist Herbert von Karajan. At the top, there is a header with a menu icon, a back arrow, and a search icon. Below the header is a large image of Karajan conducting, with his name "Herbert von Karajan" displayed in white text. Underneath the name is a "Play Artist" button and a heart icon. A paragraph of text describes him as the most renowned conductor to emerge from Europe in the post-World War II era. Below this is a category bar with buttons for "CHORAL", "CLASSICAL", "OPERA", "ORCHESTRAL", and "SYMPHONY". The main content area is divided into two columns: "From Austria" and "Born 5 Apr 1908 Salzburg, Austria". To the right of this is a section titled "Around the Web" with social media icons for Facebook, Wikipedia, and YouTube. Below this is a "Top Tracks" section with two tracks listed: "Peer Gynt Suite for orchestra (or piano or piano, 4 hands) No. 2, Op. 55: Solveig's Song" and "Serenade for strings (or piano, 4 hands) in C major, Op. 48: Elegia". At the bottom is a playback bar with a play button, a progress bar, and a volume icon. The text "Vivo sonhando (Dreamer) João Gilberto, Stan Getz, Antônio Carlos Jobim" is displayed above the progress bar.

Herbert von Karajan

Play Artist

Herbert von Karajan was the most renowned conductor to emerge from Europe in the post-World War II era – and through fortuitous timing throughout his career, and in spite of controversy that dogged his early years, he was the most recorded conductor of the 20th century, and is likely to remain one of the most

CHORAL CLASSICAL OPERA ORCHESTRAL SYMPHONY

From Austria

Born 5 Apr 1908 Salzburg, Austria

Died 16 Jul 1989 Anif, Austria

Around the Web

Top Tracks

Peer Gynt Suite for orchestra (or piano or piano, 4 hands) No. 2, Op. 55: Solveig's Song with Karajan, Berlin Philharmonic Orchestra Composed by Edvard Grieg Adagio and Fugue for string quartet (or string

Serenade for strings (or piano, 4 hands) in C major, Op. 48: Elegia with Karajan, Berlin Philharmonic Orchestra Composed by Pyotr Ilyich Tchaikovsky L'Arlesienne, suite for orchestra No. 1, from the

Vivo sonhando (Dreamer) João Gilberto, Stan Getz, Antônio Carlos Jobim

0:20 2:54

Linux MacBook



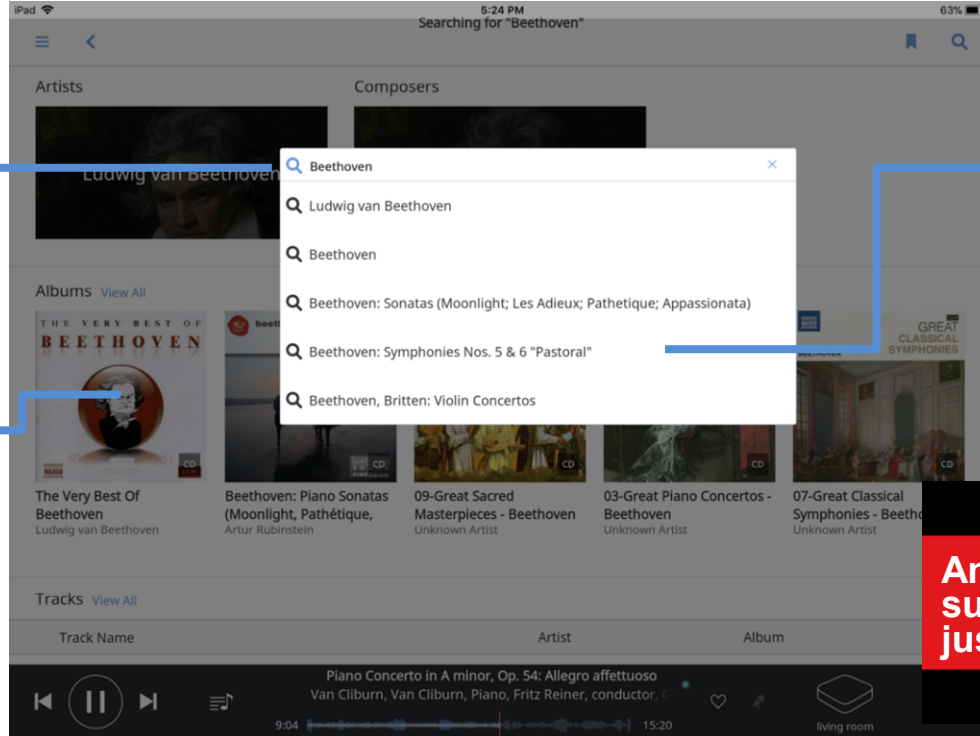
QNAP

The Quick Search

Simple and Quick
search

Recommended

Surf to the
content you want



And more
surprises...we
just name a few...

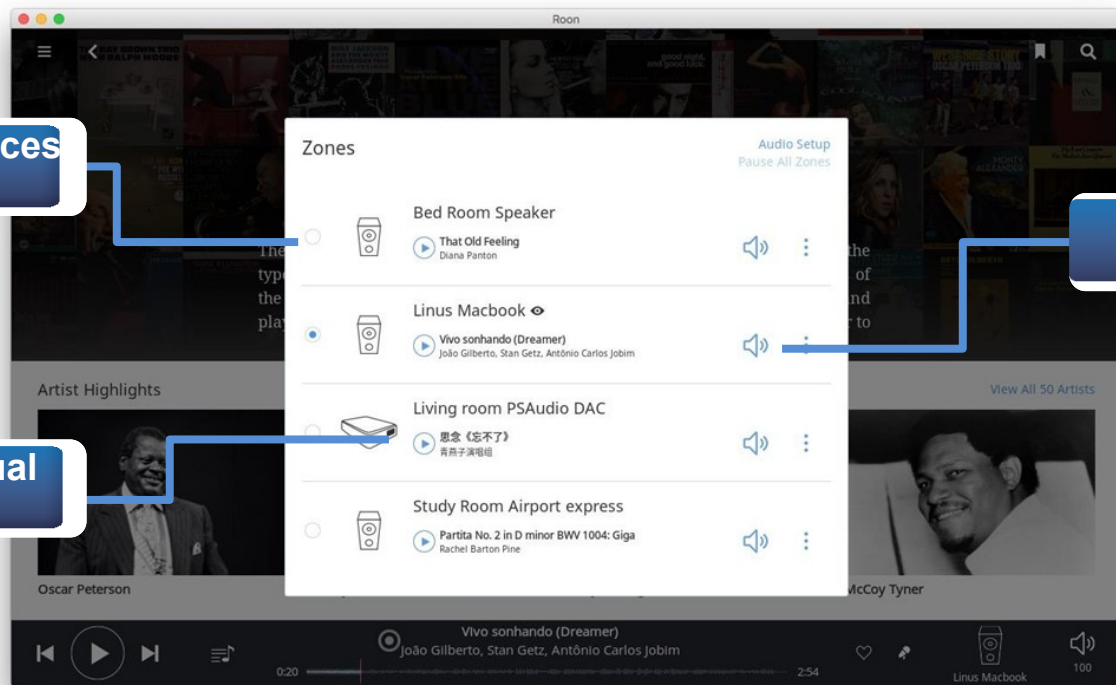
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Multi-zone streaming

Control multiple devices simultaneously

Stream to individual devices

Volume control



QNAP

DEMO

Music on Demand with Roon

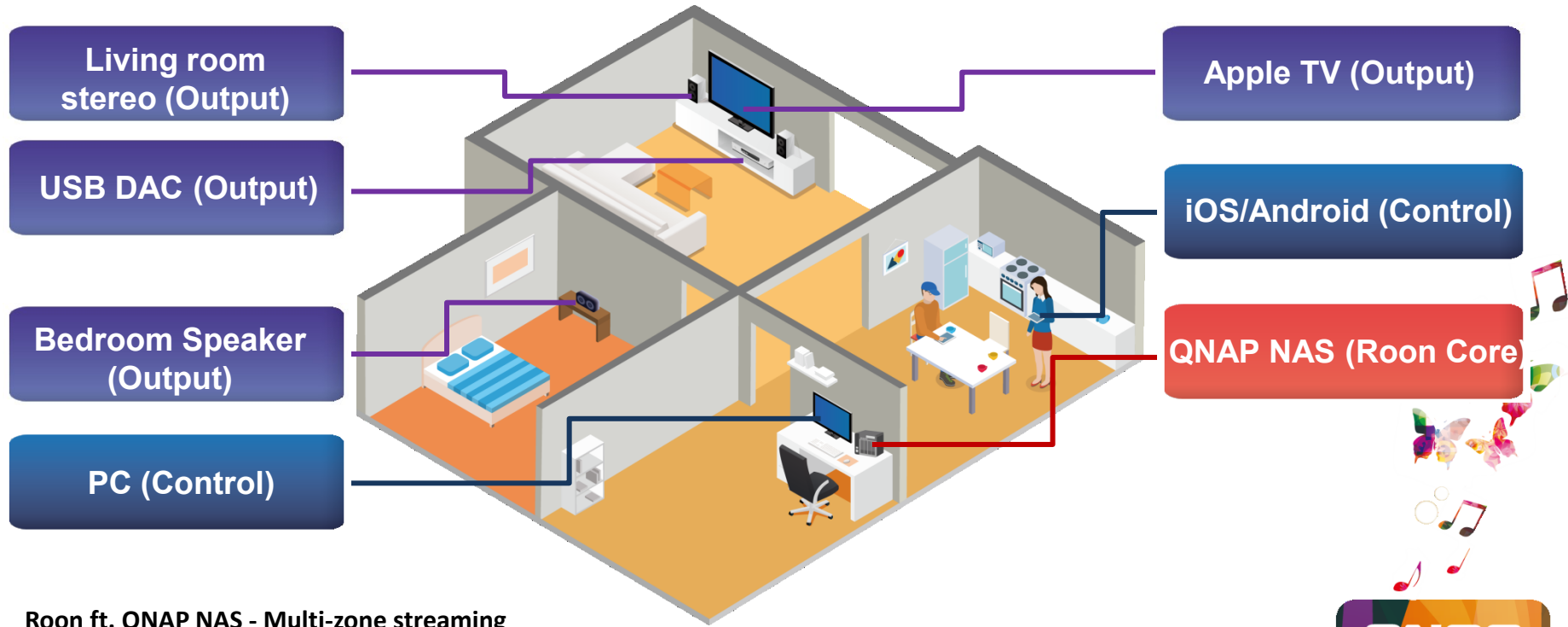




Build a Multi-zone Streaming Environment



Music in every corner, a delightful experience



Room ft. QNAP NAS - Multi-zone streaming

QNAP

Roon ft. QNAP NAS - Advanced Devices

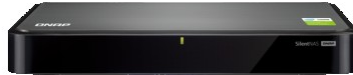
Contained Room

QNAP NAS (Core)



Media Room

Fanless QNAP NAS (output)



USB DAC (output)



Amplifier (output)



Enjoy better sound quality by using NAS as another independent output.



Successful Story MJ Audio in Hsinchu, Taiwan





Player

**The Golden
Combination
for Music
Streaming**



**Quality output
devices**



**QNAP NAS
(Storage)**



QNAP

Special Thanks to



**Hsinchu Minjan
Audio Flag Store**



Thank You





Roon x QNAP NAS Your Best Choice

