JOHN'S MUSIC LIBRARY MANGER USAGE OVERVIEW V01

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JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

CD → EAC → FLAC → **FLAC Library On HP Desktop**

VBA Macro Music Manager App

- User Interface
- Tag Database
- Playlist Construction
- FiiO File Management

Foobar 2000

HP Prodesk 400 G6

Audacity

Free File Sync

Streaming

Backup

FLAC Files

TBD

FLAC Library

Playlist Library

new/modified playlists

playlists

FLAC Files

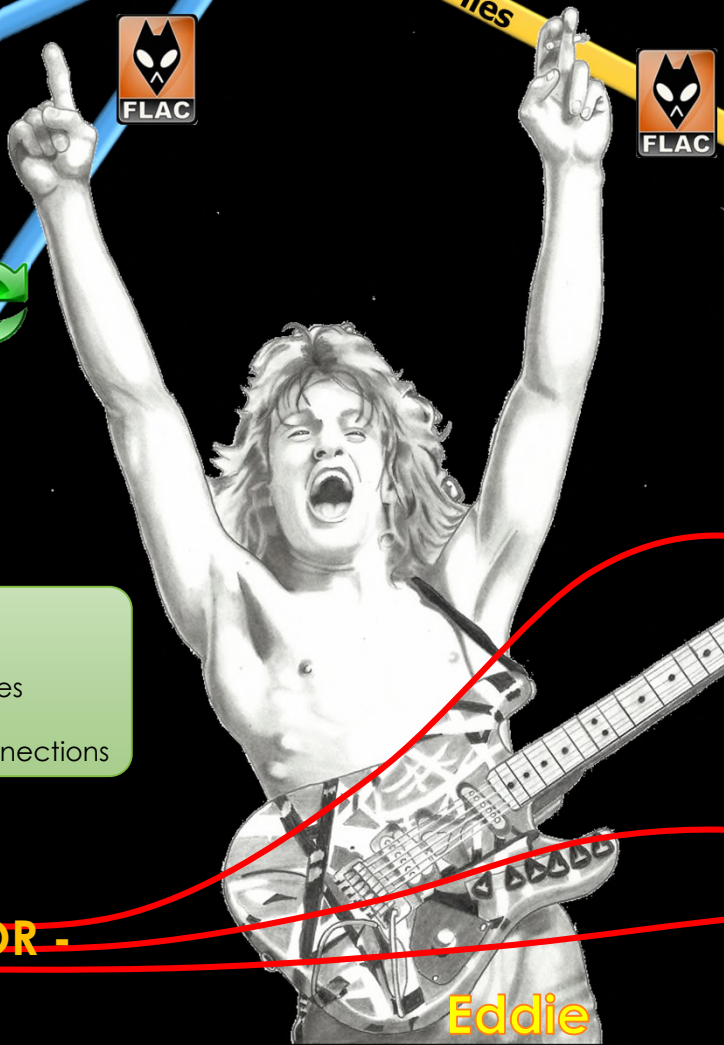
playlists

LEGEND

- Music Sources
- FLAC Music Files
- Playlist Files
- Playback Connections

Stereo Amplifier

- OR -



FiiO X5 DAP

- OR -

FiiO X7 DAP

External Drive

FiiO E17K DAC

Foobar2000 on laptop for Public Listening

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JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

Vinyl LPs

- My vintage music source
- Played on a turntable through a mixer
- Recorded by Audacity
- Converted to FLAC files
- Stored in FLAC Library on Desktop Computer

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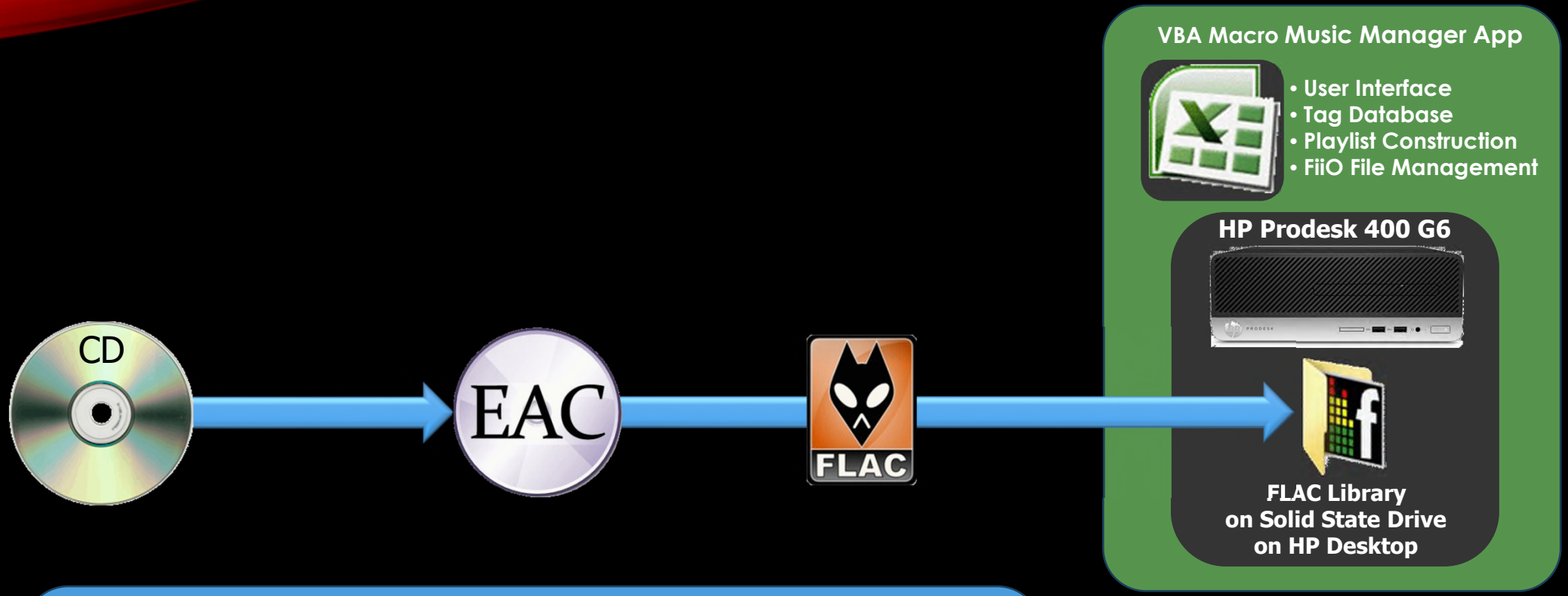
JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW



CDs

- Used to record recently collected material
- CDs read by Exact Audio Copy (EAC)
- Converted to FLAC files
- Stored in FLAC Library on Desktop Computer

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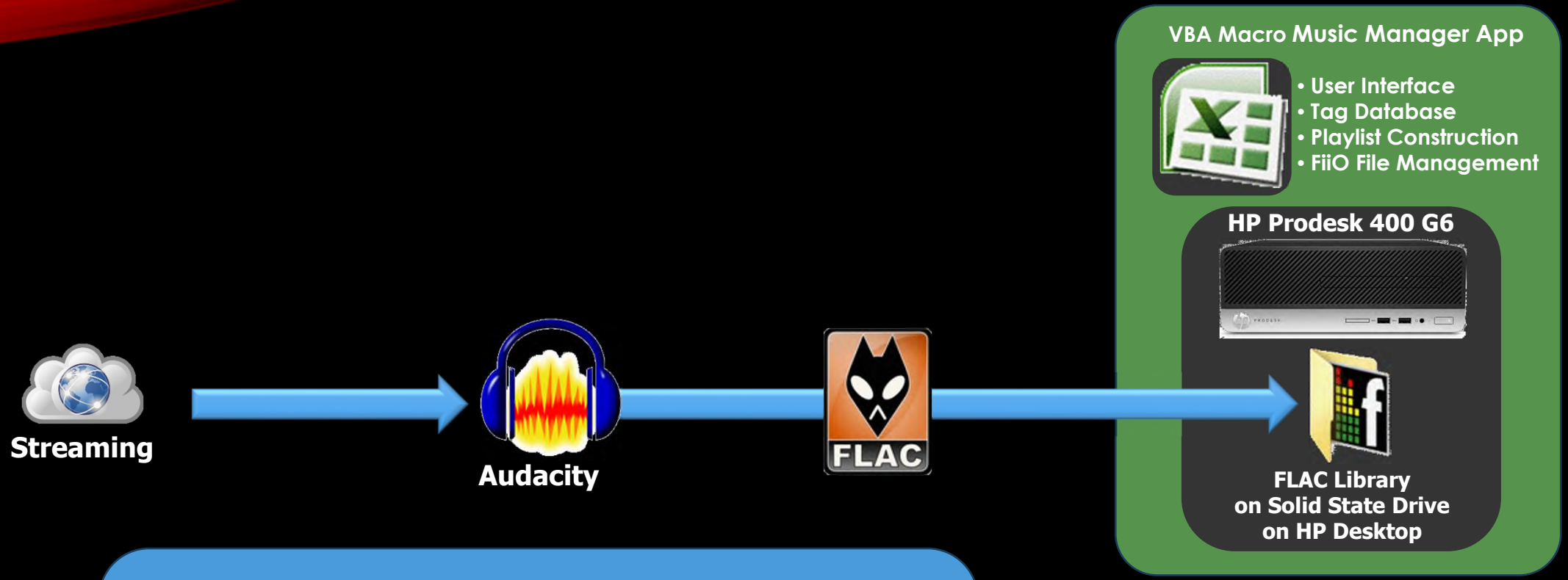
JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW



Streaming Music

- Used for collecting new material
- Recorded by Audacity
- Converted to FLAC files
- Stored in FLAC Library on Desktop Computer

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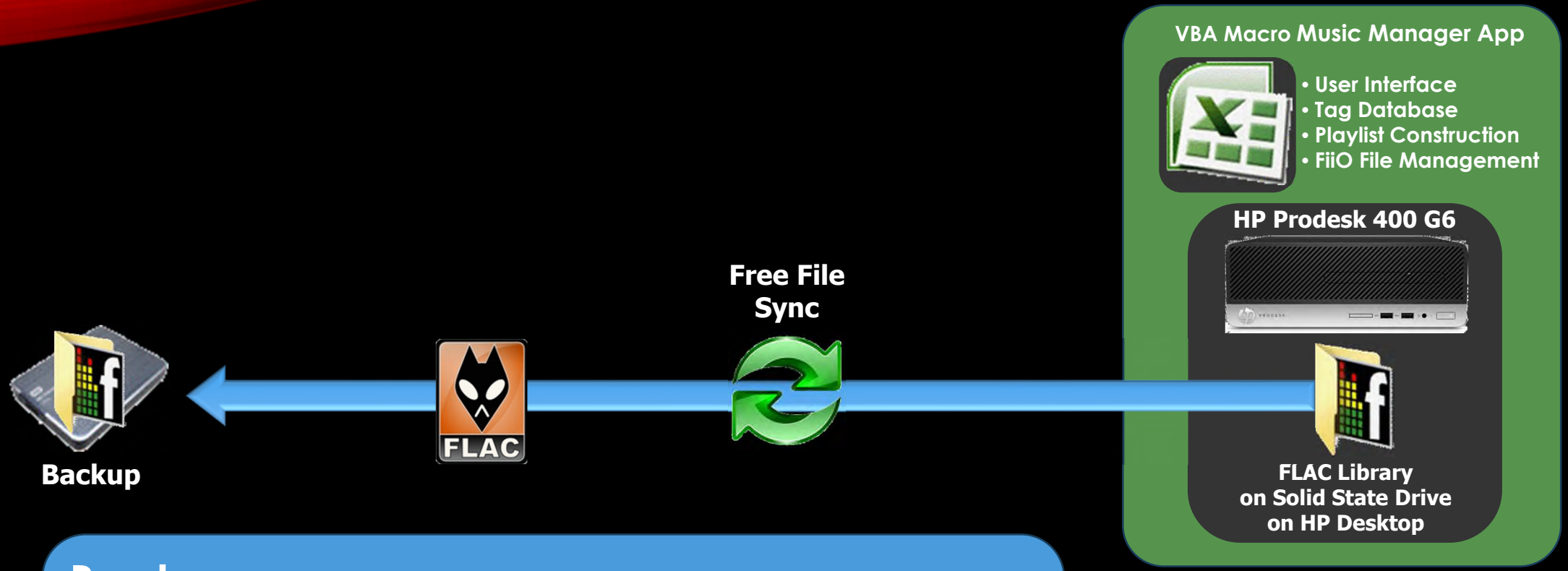
JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW



Backups

- Performed on a regular monthly/quarterly basis
- Free File Sync (FFS) used to perform backup
- Entire FLAC Library and Playlists backed up
- Stored on external hard drive placed in secure storage

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JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

Load Digital Audio Players (DAPs)

- Transfer FLAC song files to micro SD Cards on DAPs
- Smartly transfer only files listed in playlists on DAPs
- FLAC files on SD Cards but not listed in a playlist are deleted to conserve space

VBA Macro Music Manager App

- User Interface
- Tag Database
- Playlist Construction
- FiiO File Management

HP Prodesk 400 G6

FLAC Library on Solid State Drive on HP Desktop

FiiO X7 DAP

FiiO X5 DAP

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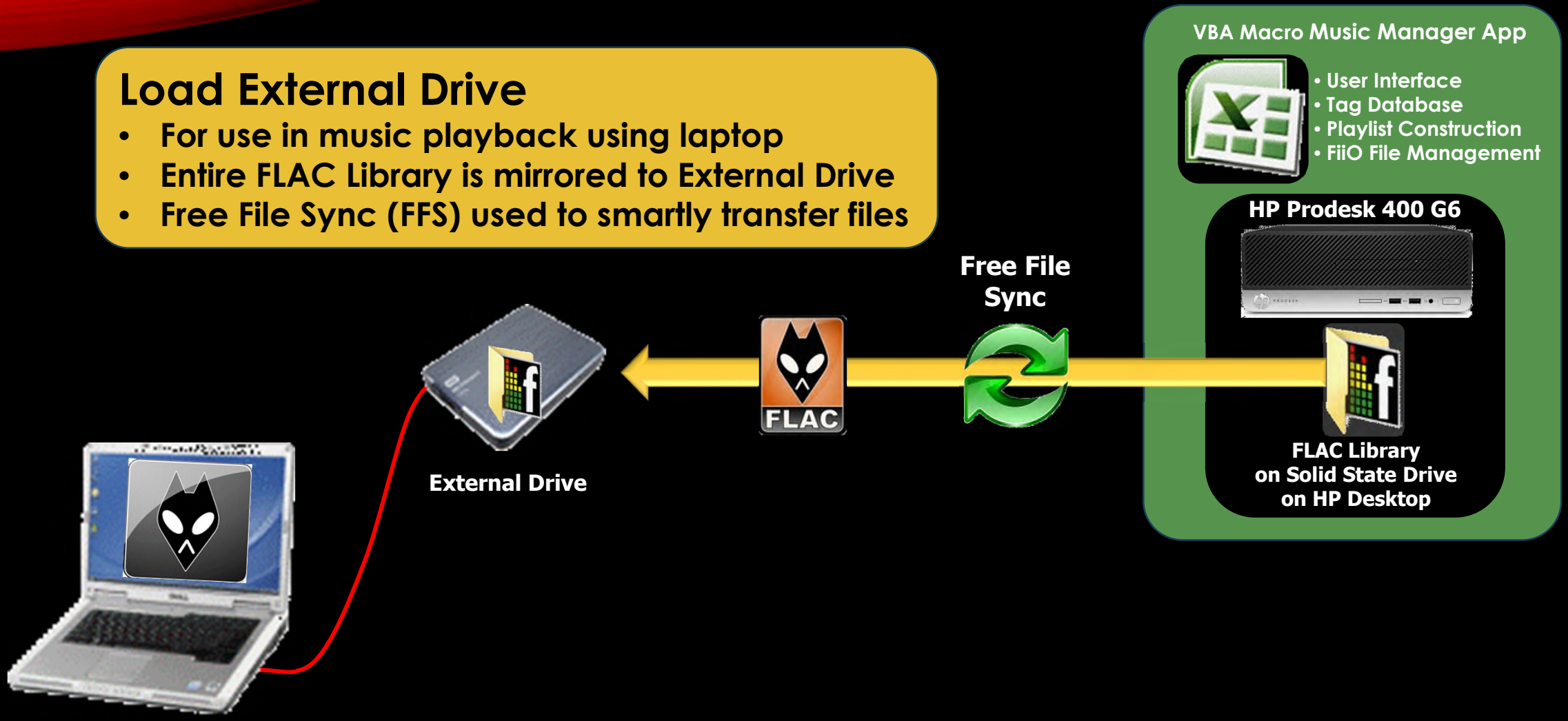
JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

Load External Drive

- For use in music playback using laptop
- Entire FLAC Library is mirrored to External Drive
- Free File Sync (FFS) used to smartly transfer files



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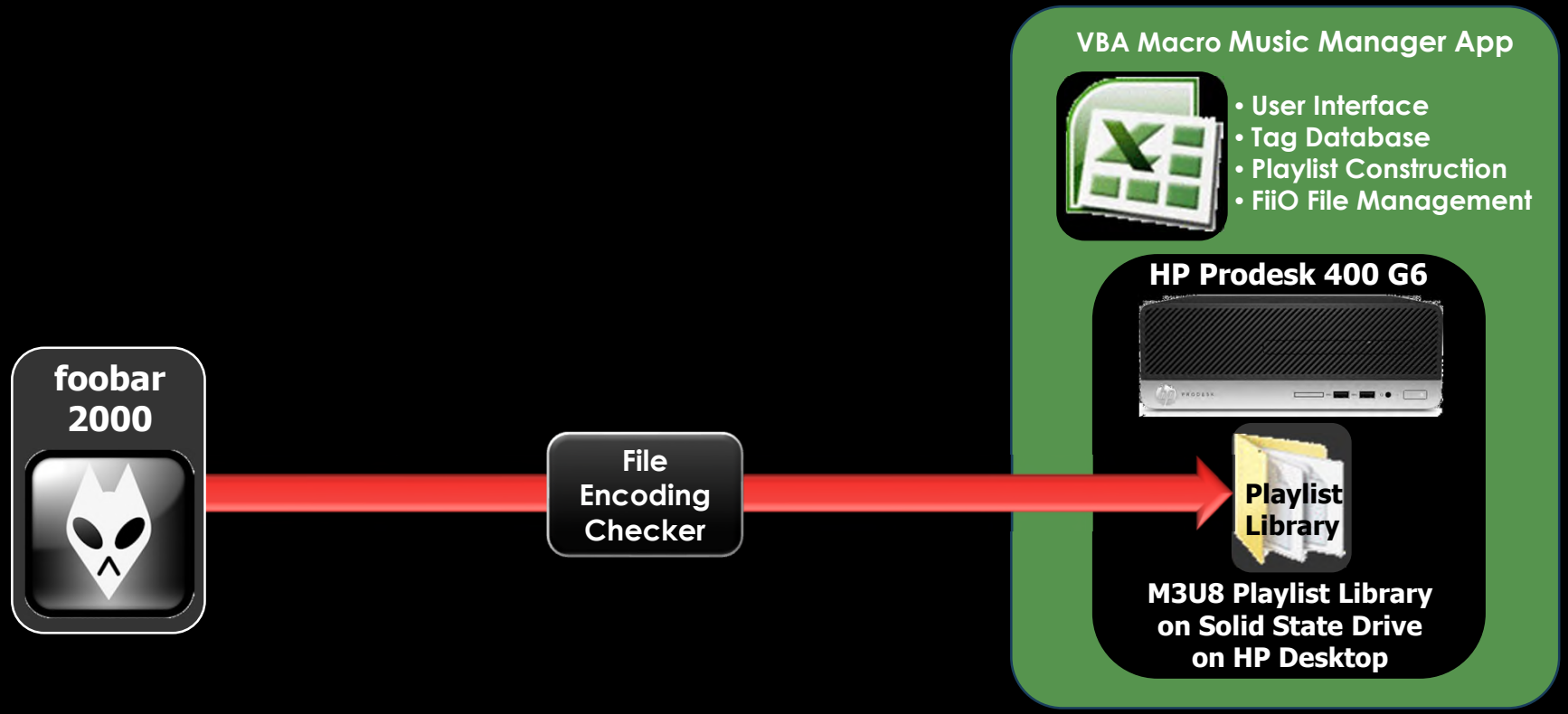
JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW



Create/Modify/Store foobar 2000 Playlists

- Use foobar2000 to create new playlists and modify existing playlists
  - foobar2000's very fast library file search feature makes playlist creation a simple task
- Use "File Encoding Checker" to convert playlists from UTF-8 encoding to ASCII encoding
- Store playlists on Desktop Solid State Drive

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JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

Convert and Load Playlists onto DAP micro SD cards

- Convert playlists to FiiO format
- Smartly load playlists onto FiiO DAPs
  - Ensure FiiO playlists are current with (match) foobar2000 playlists
  - Ensure only playlist-listed songs are loaded onto FiiO micro SD cards

VBA Macro Music Manager App

- User Interface
- Tag Database
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- FiiO File Management

HP Prodesk 400 G6

Playlist Library

M3U8 Playlist Library on Solid State Drive on HP Desktop

FiiO X7 DAP

FiiO X5 DAP

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JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

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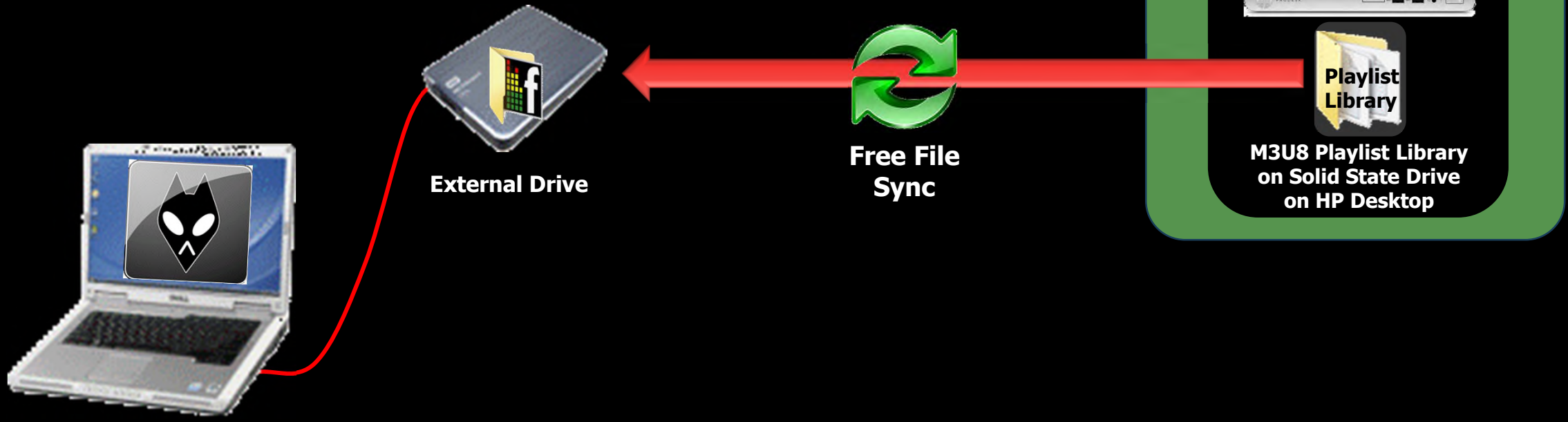

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JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

Autogenerate Playlists

- This is a planned future capability
- Reads user-created song tags and user-specified playlist criteria
- Based on this criteria, automatically selects and orders songs into a playlist

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JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

Play Music using Laptop

- External Drive is source of FLAC Library and foobar2000 Playlists
- Laptop runs foobar2000 music playing app
- FiiO E17K Alpen II Digital-to-Analog Converter (DAC) is used to drive Stereo Amplifier

Stereo Amplifier

External Drive

foobar2000 on laptop for Public Listening

FiiO E17K

DAC

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JOHN'S MUSIC MANAGEMENT PROCESS OVERVIEW

Play Music using FiiO DAPs

- Use either the FiiO X5 or FiiO X7 as DAPs to drive the Stereo Amplifier
- DAPs have embedded DAC to provide analog signal to amplifier
- Prior loading of foobar2000 playlists and FLAC songs allows independence from computing equipment during playback
- Both DAPs also have headphone output for private listening

FiiO X7
DAP

- OR -

FiiO X5
DAP

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