# York Audio FDMN 412 M25-V30 Manual

Thank you for purchasing this Cab Pack.  I hope it inspires great music within you.

The York Audio FDMN 412 M25-V30 Cab Pack is based on a Friedman™ “Vintage” 4x12 speaker cabinet loaded with Celestion™ G12M Greenback and Vintage 30 speakers.

Here is a brief understanding of the Cab Pack’s layout, file naming system, mic abbreviations, and mics used in the included multi-mic “Mixes” folder.

## Folders

The 44.1k, 48k, and 96k folders determine the sample rate of the IRs.  Choose the sample rate that’s right for your modeler, load box, or DAW session.

Minimum Phase Singles - Contains all single shot IRs with minimum phase processing.

Natural Phase Singles - Contains all single shot IRs without minimum phase processing.

Mixes - Contains pre-mixed multi-mic IRs.

- BLND - Multi-mic mixes using captures from both M25 and V30 speakers.

- M25 - Multi-mic mixes only using captures from the M25 speaker.
- V30 - Multi-mic mixes only using captures from the V30 speaker.

## File naming

Each shot was taken on various sweet spots on the speaker. Numbers 1-5 DO NOT determine a capture's brightness, darkness, or speaker position. The numbers only determine which capture you're listening to, so try them all and see what sounds best to you.

Some files have letters after the mic type to signify various positions on the speaker. Here is a list of those suffixes and what they mean.

| | | |
|---|---|---|
| OA - Off-Axis | CE - Cap Edge | CNT - Center Cap |
| CN - Center Cone | CNE - Cone Edge | |
| FCN - Fredman Center | FOA - Fredman Off-Axis | |

## Microphones used in this Cab Pack

Dynamic:
57m - Based on a modern Shure™ SM57
57v - Based on a vintage Shure™ Unidyne III SM57
58 - Based on a Shure™ SM58
SM7 - Based on a Shure™ SM7b
421 - Based on a Sennheiser™ MD421
906 - Based on a Sennheiser™ e906
i5 - Based on an Audix™ i5

Ribbon:
121- Based on a Royer™ R-121
160 - Based on a Beyerdynamic™ M160
313 - Based on a Shure™ KSM313

Condenser:
E22 - Based on a Josephson™ e22S small diaphragm condenser mic

U47 - Based on a Telefunken™ U47 large diaphragm tube condenser mic

Ambient:
ROOM - Captured with a Telefunken™ U47
REAR - Captured with a Telefunken™ U47
SIDE - Captured with a Telefunken™ U47

## Mixes

Multi-mic mixes are given a number in order to visually simplify file names. Here is a list of the mics used in each mix. If you like a particular mix, try exploring more combinations of those mics to fine tune your sound.

FDMN 412 M25 Mixes:

Mix 01 - 57m + 121
Mix 02 - 57m + 121
Mix 03 - 57v + 121
Mix 04 - SM7 + 160
Mix 05 - 58 + 160
Mix 06 - 421 + 313
Mix 07 - 57m + 421
Mix 08 - i5 + SM7
Mix 09 - 906 + U47 + 58
Mix 10 - 57m + 58
Mix 11 - 906 + 121
Mix 12 - 57m + E22
Mix 13 - 160 + U47 (Created by John Mark Painter)
Mix 14 - 58 + 58
Mix FRED - 57 + 57 (Created using the Fredman mic'ing technique)
Mix PX - Custom 57 mix designed to recreate the sound heard in a well known video of a monster player demonstrating a Friedman™ amp through this cabinet.

FDMN 412 V30 Mixes:

Mix 01 - 57m + 121
Mix 02 - 57m + 121
Mix 03 - 57v + 121
Mix 04 - SM7 + 160
Mix 05 - 58 + 160
Mix 06 - 421 + 58 + i5
Mix 07 - 58 + E22
Mix 08 - 906 + 160
Mix 09 - 421 + 160
Mix 10 - 906 + SM7
Mix 11 - i5 + 121
Mix 12 - 57v + 421
Mix 13 - 421 + 121 (Created by John Mark Painter)
Mix 14 - 57v + SM7 (Created by John Mark Painter)
Mix FRED - 57 + 57 (Created using the Fredman mic'ing technique)

FDMN 412 BLND Mixes:

Mix 01 - V30 57m + M25 121
Mix 02 - V30 58 + M25 160
Mix 03 - V30 421 + M25 121
Mix 04 - V30 SM7 + M25 160
Mix 05 - M25 57m + V30 121
Mix 06 - M25 58 + V30 160
Mix 07 - M25 SM7 + V30 E22
Mix 08 - M25 906 + V30 i5
Mix 09 - V30 SM7 + M25 160 (Created by John Mark Painter)
Mix 10 - M25 SM7 + V30 160
Mix 11 - V30 906 + M25 313
Mix 12 - M25 906 + V30 313
Mix 13 - M25 SM7 + V30 313 (Created by Leon Todd)
Mix 14 - M25 58 + V30 SM7
Mix FRED - M25 FRED + V30 FRED

## Which files to use

Minimum Phase and Natural Phase files are provided. Minimum Phase files are preferred when blending with "factory cabs." Minimum Phase and Natural Phase single mic captures sound identical. The difference is found when making your own multi-mic mixes. Mixes made with Natural Phase captures will have a different phase relationship than Minimum Phase files resulting in a mellowed top end and varying degrees of shift in the midrange. Mixes made with Minimum Phase files will have a more prominent top end with more "sizzle." When making your own multi-mic mixes, try your mix with Natural Phase and Minimum Phase options and see which one feels better to you. There's no wrong way to do it if it sounds good to you.

All York Audio products have been tested with Fractal Audio Systems™, Line 6™, Kemper™, Strymon™, Suhr™ Reactive Load I.R., and various software plugins to ensure seamless integration with your amp modeling platform. Hardware units will convert and truncate files to proper length upon import. Please refer to your hardware unit's manual to determine which sample rate is right for you and how to import .wav IRs into your particular unit.

In brief:
96k - For use with Strymon™ Iridium and BOSS™ TAE and GT series units.
48k - For use with Fractal™, Line 6™, Suhr™ Reactive Load I.R. and most modeling units.
44.1k - For use with Kemper™ units.
Kemper Converted - Minimum Phase Singles and Mixes converted to Kemper™ format.

## Loading .wav format IRs into a Fractal Unit

Fractal™ utilizes a proprietary IR format for their units. Here are simple step by step instructions on how to import these IRs into your Fractal™ unit.

1. With Axe-Edit open, click on “Tools” at the top and select “Manage Cabs.” Your User Cabs list will open. Look for a gray panel on the left side of the window. If you do not see the gray panel, click on “Browser” and select “Show / Hide” to reveal it.

2. Locate the York Audio folder for your Cab Pack and open the 48k folder. Simply drag your desired folder, i.e. “Mixes” or “Minimum Phase Singles” into the gray panel and click “OK” on the popup window. If the files appear out of order, click “Browser” and select “Sort alphabetically” to properly arrange them.

3. Select your desired files or select all (Command + A) and drag them into empty User Cab slots. The User Cab number will appear in red. Click “Save” at the bottom right of your screen and your new IRs will be saved in your unit. Now click “Close” to get back to Axe-Edit.

4. Once you open your Cab Block, locate your newly imported IRs. If they are not showing up, click the “Refresh” icon (circular arrows) at the top right for your unit to update the User Cab list.

Bonus Tip:

For fast and easy IR auditioning after import, select the IR you wish to start with, then click the “#” symbol to highlight your User Cab number. With the User Cab number highlighted, use the Up and Down arrows on your keyboard to scroll through your IRs.

## A Final Word

Thank you again for purchasing this product!  Your support allows York Audio to acquire the gear you want and helps us to continue to make products for your musical journey.  We are grateful for you and hope the result of our hard work leads you to an inspiring playing experience.

Sincerely,
Justin York
York Audio