



York Audio FTWN 212 D120 Manual

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

The York Audio FTWN 212 D120 Cab Pack is based on a 1971 Fender Twin Reverb loaded with the original JBL D120F 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.

File naming

Each shot was taken from 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 placements 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 vintage Shure SM7

421 - Based on a vintage Sennheiser MD421

906 - Based on a Sennheiser e906

Ribbon:

121- Based on a Royer R-121

160 - Based on a Beyerdynamic M160

N22 - Based on an AEA Nuvo N22

Condenser:

U47 - Based on a Telefunken U47 large diaphragm tube microphone

184 - Based on a Neumann KM 184 small diaphragm microphone

Ambient:

ROOM 1, 2, 3, L, and R - Captured with a Telefunken U47

REAR 1 and 2 - Captured with a Telefunken U47

SIDE - Captured with a Telefunken U47

SUM - Captured with an AEA Nuvo N22

*ROOM L and R are longer IR files primarily designed to be used for Fractal Audio "FullRes" capabilities. Fractal Audio recommends using the Natural Phase version of these files to be loaded into the FullRes cabinet bank and selected in cab slots 3 and 4 of the Cab block. However, they may also be used with other modeling units and IR loading plugins as well. The Minimum Phase version is recommended for all other units.

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.

FTWN 212 D120 Mixes:

Mix 01 - 57m + 121

Mix 02 - 57m + 121

Mix 03 - 57v + 121

Mix 04 - 57v + 121

Mix 05 - 58 + 160

Mix 06 - SM7 + 160

Mix 07 - SM7 + N22

Mix 08 - SM7 + U47

Mix 09 - 421 + N22

Mix 10 - 421 + 57m

Mix 11 - 906 + N22

Mix 12 - 57m + 184

Mix 13 - 58 + 184

Mix 14 - 421 + 906

Mix 15 - 57v + U47

Mix 16 - 57m + 57v

Mix 17 - 58 + U47 (Created by John Mark Painter)

Mix 18 - SM7 + 160 (Created by John Mark Painter)

Mix FRED - 57 + 57 (Created using the Fredman mic'ing technique)

Getting started

All speaker cabinets have their own sonic signature and personality. They can naturally sound dark, bright, boxy, scooped, warm, fizzy, and any other tone adjective you can think of. The speaker cabinets we use play a significant roll in the character of our overall sound, so it's important that we dial in our amps or modelers to suit the character of the cab we're playing through for the best results.

When trying new IRs for the first time, I recommend starting with Mix 01 and dialing amp settings to sound good with that IR to create a tonal baseline for the pack. Then, try the other Mixes to see which ones have the tonal characteristics you prefer. Once you land on a Mix, tweak your amp controls (if needed) to fine-tune your sound.

*IMPORTANT - IRs can sound drastically different from one to the next. Simply inserting a new IR into a preset created using a different IR can lead to poor results, so it's crucial that we remember to TURN SOME KNOBS to get the most out of each IR pack. When we try an amp at a guitar store, we don't settle on the settings the previous person used. We strum a chord and immediately start turning knobs to get the tonal response we want. The same is true when using Impulse Responses, so don't be afraid to tweak your amp's settings.

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.

In brief:

96k - For use with Strymon Iridium and BOSS TAE and GT Series units.

48k - For use with Fractal, Line 6, Neural DSP, Suhr, Atomic, HeadRush, Two Notes, Darkglass, and most modeling units.

44.1k - For use with Kemper, Mooer, and Yamaha THR Series units.

Kemper Converted - Minimum Phase Singles and Mixes converted to Kemper format.

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.

Impedance Curve Suggestion

The low resonance frequency for this cabinet is 47 Hz. For Fractal Audio Axe-Fx III users, the recommended Impedance Curve to use with these IRs is the 2x12 Double Verb with the "Low Freq" parameter set to 47.0 Hz.

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

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