



York Audio MRSH 412 MV30-Dual Manual

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

The York Audio MRSH 412 MV30-Dual Cab Pack is based on a 1999 Marshall 1960bv 4x12 cabinet loaded with the original Celestion Marshall G12 Vintage (Marshall OEM V30) speakers. Labeled MV30a and MV30b, I decided to capture my two favorite speakers in the cabinet because they each have their own unique tonal qualities and sound fantastic!

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
CN - Center Cone

CE - Cap Edge
CNE - Cone Edge

CNT - Center Cap

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

421m - Based on a modern Sennheiser MD421

421v - 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

313 - Based on a Shure KSM313

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 a Telefunken U47

*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 versions 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.

MRSH 412 MV30a Mixes:

Mix 01 - 57m + 121

Mix 02 - 57m + 121

Mix 03 - 57v + 121

Mix 04 - 57v + 121

Mix 05 - 58 + 160

Mix 06 - SM7 + N22

Mix 07 - 421m + 57m

Mix 08 - 421v + 57v

Mix 09 - 421m + 160

Mix 10 - 906 + 313

Mix 11 - SM7 + U47

Mix 12 - 57m + 184

Mix 13 - 57m + 57m

Mix 14 - 58 + 58

Mix 15 - 57m + 121 (Created by Jon Symons)

Mix 16 - 57m + 121 (Created by Jon Symons)

Mix 17 - SM7 + SM7 (Created by John Mark Painter)

Mix 18 - SM7 + U47 (Created by John Mark Painter)

Mix FRED 1 - 57 + 57 (Bright Mix created with the Fredman mic'ing technique)

Mix FRED 2 - 57 + 57 (Dark Mix created with the Fredman mic'ing technique)

MRSH 412 MV30b Mixes:

Mix 01 - 57m + 121

Mix 02 - 57m + 121

Mix 03 - 57v + 121

Mix 04 - 57v + 121

Mix 05 - 58 + 160

Mix 06 - SM7 + 184

Mix 07 - 421m + 57m

Mix 08 - 421v + 160

Mix 09 - 421v + 57v

Mix 10 - 906 + 313

Mix 11 - SM7 + U47

Mix 12 - 58 + 184

Mix 13 - 58 + 57v

Mix 14 - 57m + 57v

Mix 15 - 58 + 160 (Created by John Mark Painter)

Mix 16 - SM7 + U47 (Created by John Mark Painter)

Mix 17 - 57m + 121 (Created by Jon Symons)

Mix 18 - 58 + 121 (Created by Jon Symons)

Mix AFD - Custom Mix inspired by a top-hatted guitarist with an "Appetite for Destruction"

Mix FRED 1 - (Bright Mix created with the Fredman mic'ing technique)

Mix FRED 2 - (Dark Mix created with the Fredman mic'ing technique)

MRSH 412 MV30 BLND (Speaker Blend) Mixes:

Mix 01 - 57m + 121

Mix 02 - 57v + 121

Mix 03 - 58 + 160

Mix 04 - 421m + 57m

Mix 05 - 906 + 313

Mix 06 - 57m + 121

Mix 07 - 58 + 160

Mix 08 - 421m + 57m

Mix 09 - 906 + 421m

Mix 10 - 421v + 57v

Mix 11 - 57v + 121 (Created by Jon Symons)

Mix 12 - 57v + 121 (Created by Jon Symons)

Mix 13 - 57m + 121 (Created by Jon Symons)

Mix 14 - 57v + 121 (Created by Jon Symons)

Mix UYI - Custom Mix inspired by a top-hatted guitarist to help you “Use Your Illusion”

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.

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 113 Hz. For Fractal Audio users, try using these Impedance Curves in the Amp block's Speaker page and set the "Low Freq" to 113 Hz for the best results:

4x12 Citrus

4x12 Brit TV

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

*Third party companies and products listed, referenced or otherwise mentioned, may be trademarks of their respective owners and are not affiliated or associated with York Audio LLC in any way. Product names are referenced solely for the purpose of identifying the hardware used in the equipment chain we use to create our products. The use of these names does not imply any cooperation or endorsement.