Sigi's Finest UK Collection

MR-PETE

pro IR series

SPEAKER CABINET
IR LIBRARY

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fine impulse responses

based on a 8x12" consists of **812T40 & 812B40** guitar cabinet, loaded with **Celestion™ T652™** AlNiCo „silver" speaker

A warmly very "special thank you" to Siegbert "Sigi" Merker of www.marshall-forever.de.
Without him we wouldn't have been able to realize this IR-Collection.

THE CABINET

...some specs about the cab

Marshall`s limited edition (350 pieces worldwide) fullstack with JTM45/100 and the 8X12" cabinet is a tribute to Pete Townsend from "The Who". He ordered this combination in 1965 from Jim Marshall.

The re-issue of this 8x12" cabinet was divided into two parts: The bottom 812B40 closed back (Speaker A & B), and the upper 812T40 open back. Like the original, the cabinet is loaded with Celestion™ T652 AlNiCo speaker rated at 15 Watt each. These speakers are mostly identical in construction to the "Vox Blue" up to their silver magnet covers.

This cab works perfect for **Classic Rock, Hard Rock** and **Blues.**

Cab

Manufacturer	Marshall™
Model	812T40 and 812B40
Construction	splitted 8x12", bottom (A & B) closed back, top (C & D) open back
Time of production	2005 (orig. 1965)
Year of manufacture	2005
Power rating / Watt	120W
Resonance frequency in Hz	**120 Hz**
Comment	Speaker A+B = 812B40, closed back Speaker C+D = 812T40, open back

Speaker

Manufacturer	Celestion™
Model	Replica of T652, 15 Watt AlNiCo "Silver" Speaker
Year of manufacture	2005
Power rating / Watt	15W
Comment	AlNiCo „Silver", similar to Blue Vox

STRUCTURE

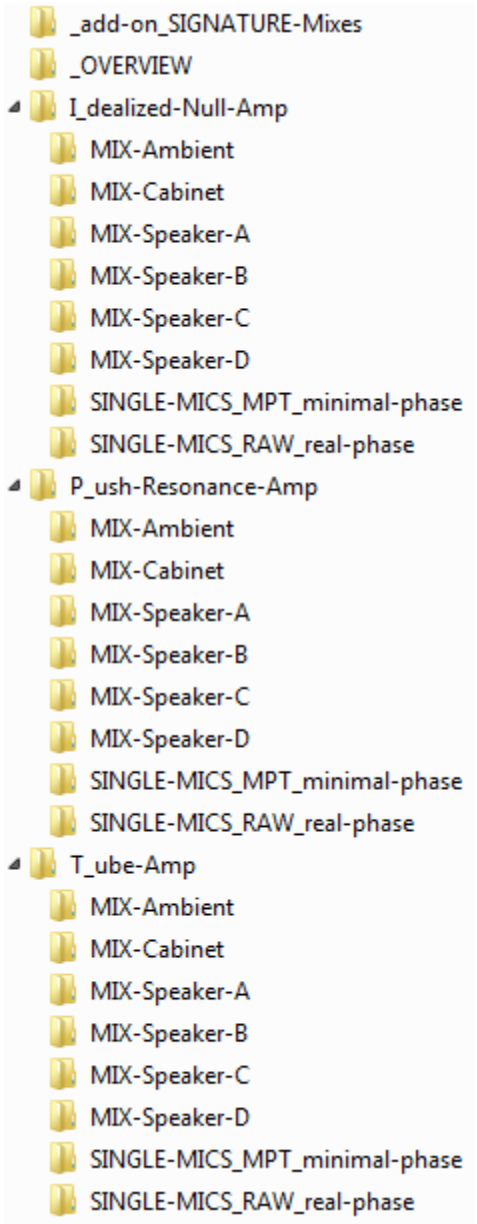
_add-on_SIGNATURE-Mixes

Signature Mixes (**_SIG_**) from Anand Mahangoe (**_AM**) and Thibault de Robillard (**_TR**).

_OVERVIEW

Quickstart with whole Multi-Mic IRs (**_MULTI_**) of a single speaker A, B, C and D or of all cabinet-speaker (**_CAB_**) in three different virtual Power-Amp-Voicings (**_I** /**_P** /**_T**).

HINT: *This folder is intended for experiencing the sonic difference and the effects of the virtual Power-Amp Voicings.*



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Idealized-Voicing

Description: Cab IR's without any influence of a tube power amp.

Sound: 100 % neutral, no bass or high boost.

Perfect for: Digital modeling devices with the ability to simulate the behavior of real tube power amps or real tube power amps.

Details: Equal to a power amp with idealized properties like most solid-state power amps, without any feedback interaction caused by the power amp. The entire power-amp sound has to be shaped by the digital modeling device or a real tube power amp.

Filename symbol: _I

Name of folder: I_dealized-Null-Amp

Push-Voicing

Description: Guitar cab with the „Push" of a tube power amp.

Sound: Pronounced bass boost, no high boost.

Perfect for: Digital modeling devices without proper tube power amp simulation, or solid state power amps, if tube amp sound is wanted.

Details: This voicing simulates the „Push" of a tube power amp - but without the typical high boost caused by the impedance behavior of the speakers. In the high frequency range this voicing is 100 % neutral, the boost only occurs in the bass range.

Filename symbol: _P

Name of folder: P_ush-Resonance-Amp

Hint: Virtual Resonance-Control

Mixing the **_I**-Voicing and the **_P**-Voicing, enables you to regulate the amount of„Thump" in the low frequency bottom end by taste – just like the resonance controls of a tube power amp.

Tube-Voicing

Description: Guitar cab with the entire boost of a tube power amp.

Sound: Bass boost and high boost.

Perfect for: Digital modeling devices without proper tube power amp simulation or solid state power amps, if tube amp sound is wanted.

Details: The IR's were produced by using a high quality tube power amp. This is were the „Push" comes from - the accentuation of the cab's resonancy frequency at 110 Hz. Additionally, there happens a presence boost in the higher frequency range, caused by the interaction with the tupe power amp, which results to a more „direct" sound.

Filename symbol: _T

Name of folder: T_ube-Amp

Hint: Virtual Tube Power Amp Coloration

Mixing the **_I**-Voicing and the **_T**-Voicing enables you to regulate the tube power amp coloration by taste.

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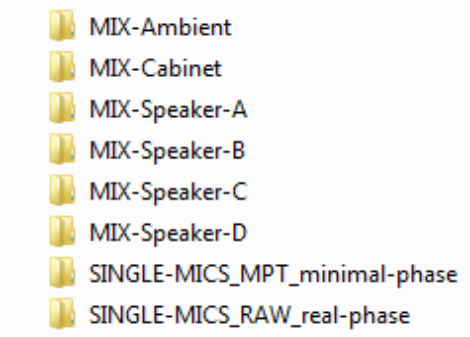


MIX-Ambient

AMBIENT-Mixes: Two mono-IR's, declared as LEFT (**_L_**) and RIGHT (**_R_**) submit to a stereo-couple. The room (**_room_**) and „back-cab" (**_rear_**) mic positions are mixed to the MULTI-IR's, so, as a result, these IR's demonstrate a very „3D-like" sound of the cabinets in the real room, when mixing the room- and rear-mic from the SINGLE-MIC_RAW Folder together.

HINT: *Spatial perception originates first of all through the so-called time-of-arrival difference. The room- and rear-IR's contain this information, and can help to create useable „room simulations".*

NOTE: *The authentic room- and reverb tail of the 500ms IR's will only be useful, if the IR's get loaded into a convolution host with the ability to handle the full length of the IR's. Existing hardware solutions will cut the IR's and their reverb tail.*

SINGLE-MICS_MPT_minimal-phase

64 „close-mic" IR's, 3 room-position IR's (**_room_**) and 1 „back-cab"-position IR (**_rear_**) are contained in this folder. The IR's of the MPT-Folder are „minimal phase transformed". They are phase neutral and contain no time-of-arrival difference or „pre-delay-offset"

NOTE: *These MPT-IR's are very useful to prevent phase issues when mixing IR's. MPT-IR's are „phase-aligned" and great for direct and transparent „in your face" mixing results.*

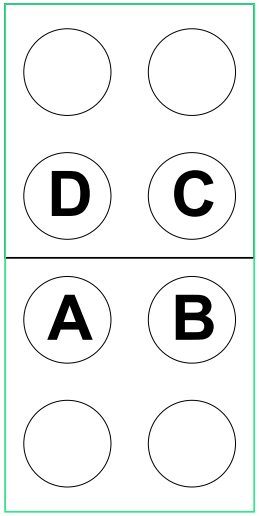
SINGLE-MICS_RAW_real-phase

64 „close-mic" IR's, 3 room-position IR's (**_room_**) and 1 „back-cab"-position IR (**_rear_**) are contained in this folder. The IR's in the RAW-folder contain the authentic „pre-delay" from the speaker to the microphone. They don't behave phase neutral and as a result, comb filter effects can occur when mixing these IR's.

NOTE: *These RAW-IR's are very useful for mixing, if phase issues are supposed to occur. Phase issues and comb filter effects can „soften" the „top-end". As a result these Mix-IR's sound less harsh, and can have more character. Contrary to the MPT-IR's they sound less direct and „in your face".*

DECLARATION

IR-Names: Declaration

SIG	Signature-Mix by Anand Mahangoe (_AM) and Thibault de Robillard (_TR)
MULTI	Mix of miscellaneous microphone types and -positions.
CAB	Cabinet-Mix (all speakers)
_A_ | _B_ | _C_ | _D_	Close-Mic. or speaker-mix of the mentioned speakers
	Speaker-Position
AMBIENT(spk.)_L_ _AMBIENT_(spk.)_R_	AMBIENT-Mixes are stereo couples: the two Mono-IR's, LEFT (L) and RIGHT (R) amount to a stereo couple. Mixes contain MULTI-Mic., _room_ and _rear_ positions.
_M(No.)_	MPT-IR or MPT-Mix-IR
_R(No.)_	RAW-IR or RAW-Mix-IR
room	Room position
rear	„back-cabinet" position

Mikrophone names: Declaration (from top to bottom)

_414_	based on AKG™ C414	condenser
_451_	based on AKG™ C451	condenser
_E8K_	based on Behringer™ ECM8000	condenser
_441_	based on Sennheiser™ MD441	dynamic
_SM7_	based on Shure™ SM7B	dynamic
_57_	based on Shure™ SM57	dynamic
_906_	based on Sennheiser™ e906	dynamic
_421_	based on Sennheiser™ MD421	dynamic
_X1R_	based on sE Electronics™ X1R	ribbon

OVERVIEW

Available formats

500 ms | 44.1 kHz-16 bit | wav	170 ms | 44.1kHz-16bit | wav
500 ms | 44.1 kHz-24 bit | wav	170 ms | 44.1kHz-24bit | wav
500 ms | 48 kHz-16 bit | wav	170 ms | 48kHz-16bit | wav
500 ms | 48 kHz-24 bit | wav	170 ms | 48kHz-24bit | wav
500 ms | 96 kHz-24 bit | wav	170 ms | 96kHz-24bit | wav

Overview and quantity

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		I_dealized-Null-Amp	P_ush-Resonance-Amp	T_ube-Amp
	MIX-Ambient	10	10	10
	MIX-Cabinet	15	15	15
	MIX-Speaker-A	30	30	30
	MIX-Speaker-B	30	30	30
	MIX-Speaker-C	30	30	30
	MIX-Speaker-D	30	30	30
SINGLE-MICS_MPT_minimal_phase		68	68	68
SINGLE-MICS_RAW_real_phase		68	68	68

TOTAL-IRs	**863**
UNIQUE-IRs	**644**

OUR „OBJECTIVE SWEET SPOT METHOD“ GUARANTIES MAXIMUM SOUND-EFFICIENCY FOR ANY EXISTING PERIPHERY

ABOUT CABIR.EU

cabIR.eu emerged as a result of our dissatisfaction about the obtainable speaker cabinet impulse response libraries on the market up to now.

We got to know each other on a guitar player convention, where we began to produce our own genuine impulse responses. This IR-library is the result of teamwork, friendship, a lot of know-how, innovation and creativity.

We always wanted to go further than others. And so, we are really proud to give you this genuine IR's as an inspiring sound tool.

We are confident, that you will love them!

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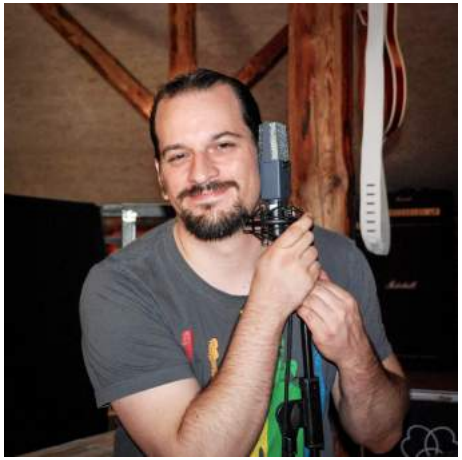
THE TEAM

Countless hours of collective hard work have molded a trusted community and close friendship:

Markus Hohmann

Founder and CEO of cabIR.eu. Guitarist, audio advisor, IR-explorer, sound enthusiast and founder of the german axefx.de forum. A perfectionist beyond imagination.



Thomas Stubics

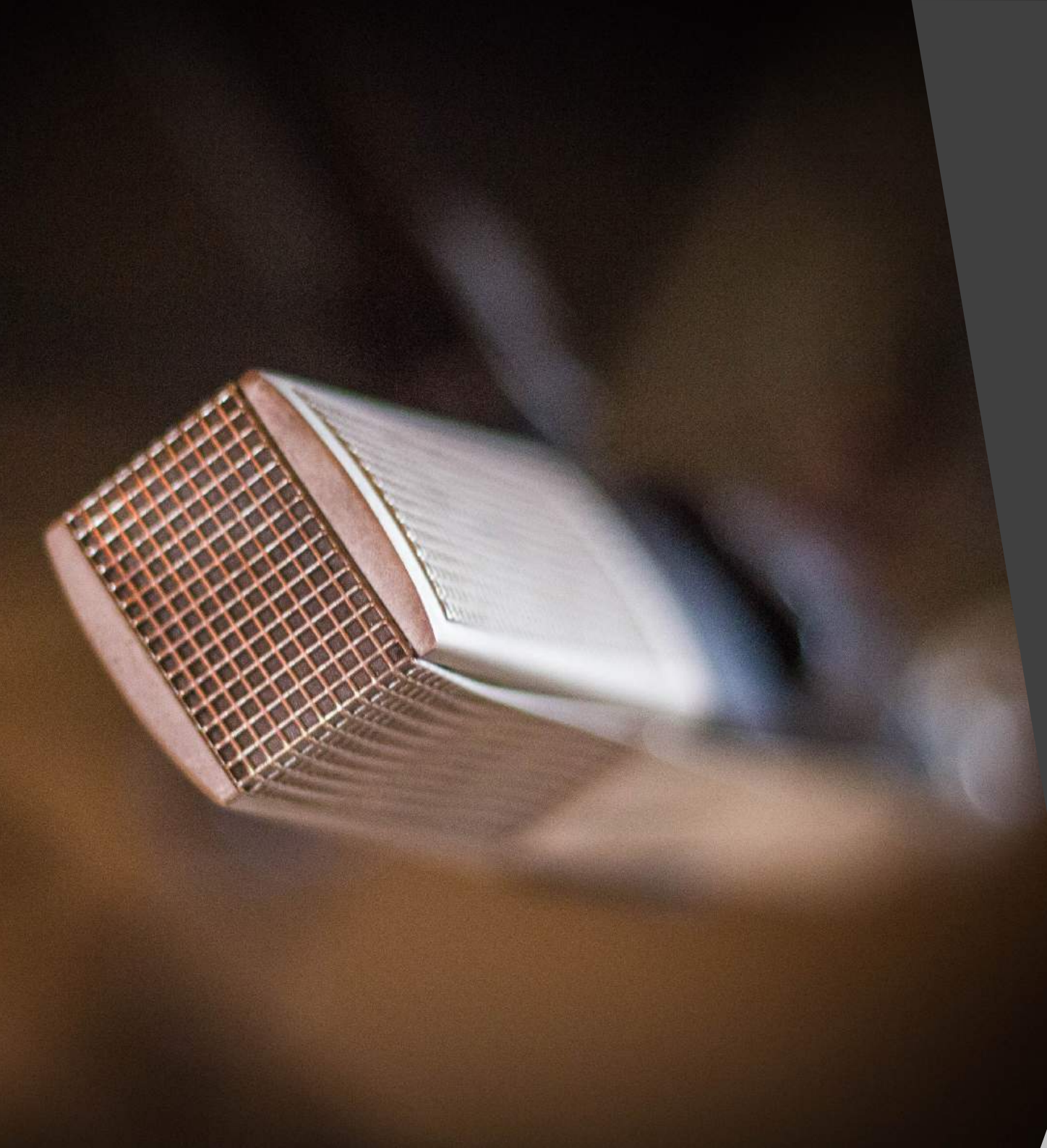
Recording, acoustics and rock music are his passion. He has almost 20 years of experience as product manager, project leader and acoustic engineer in the professional audio industry (AKG™, Harman™, sE Electronics™, ..) His masterpieces are AKG™ K271, K240, K812, C214, C414 XLS/XLII, P220, P820 Tube.

Bastian Bührig

IT-Specialist and dedicated prog-guitar-wizard. He loves cats and DIY-Audio-Projects. Always laid back and on hand with a good solution, when needed. Lives in and loves Hannover-Linden!

Andreas Gammauf

He is the most chaotic guy in the gang. Visionary, Slavedriver and professional disturber of the peace. Andy knows how to drive people nuts - but someone's got to do it. Advertising expert and IR-Freak.



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