

Palmer



Palmer[®]
be true to your sound

PRODUCT CATALOG
2023

be true
to your sound

Welcome to Palmer®

Sound purists around the world appreciate Palmer products because they deliver a pure sound signal, whether it's for guitarists, bassists, or professional audio engineers.

Palmer products are renowned for their robust, hand-crafted construction, and for being durable performers with well-thought-out technical designs and high-quality components. Musicians and audio technicians value Palmer for its top-quality sound, reliable functionality, precise detail, and for its pure authenticity through and through.



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ADAM HALL GMBH
ADAM-HALL-STR. 1
61267 NEU-ANSPACH

T +49 6081 9419-0
F +49 6081 9419-1000
MAIL: INFO@ADAMHALL.COM



Palmer® is a registered brand of the Adam Hall Group.

SOUND
TECHNOLOGY

LIGHT
TECHNOLOGY

STAGE
EQUIPMENT

HARDWARE
FOR FLIGHTCASES

ADAM HALL GROUP BRANDS



DISTRIBUTION BRANDS



german engineering

Starting as a small German custom manufacturing company, Palmer® has grown into an internationally established brand for audio engineers and musicians.

Since 1980, we've been manufacturing audio tools for professional use on stage, in broadcast and in recording studios.

Today, our ever-expanding product range includes: speaker simulators for tone enthusiasts, innovative pedalboards & power supply systems, studio monitors and monitor controllers, and reliable audio tools such as

DI-boxes, line isolators, splitters and mergers.

Sophisticated, all-analogue circuitry and high quality components, such as our custom-built transformer, provide the audio performance and reliability required by the most demanding audio engineers and musicians.

Our commitment to pristine audio signal integrity, accuracy and attention to detail is what we are known for and what we live from one product to the next, all with our credo:

"Be true to your sound"

**The tools
for great music**





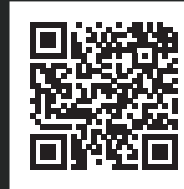
Let your signals flow, naturally and powerfully like a river!

The River Series embodies this claim down to the last detail: with high-precision circuitry designed by our award-winning engineers so your sound remains uncoloured until it reaches its destination: the heart of your listeners.

That's exactly what Palmer® stands for. Since 1980, we've been manufacturing audio tools for professional use on stage, in broadcast, and in the studio. Musicians and sound engineers all over the world value our solutions, developed in Germany, for their unobstructed signal flow and pure sound – crystal clear and as alive as water! So what could be more fitting than to name the River Series models after German rivers?

Discover our reliable and well-proven DI-Boxes, re-amplification boxes, line isolators, splitters and mergers.

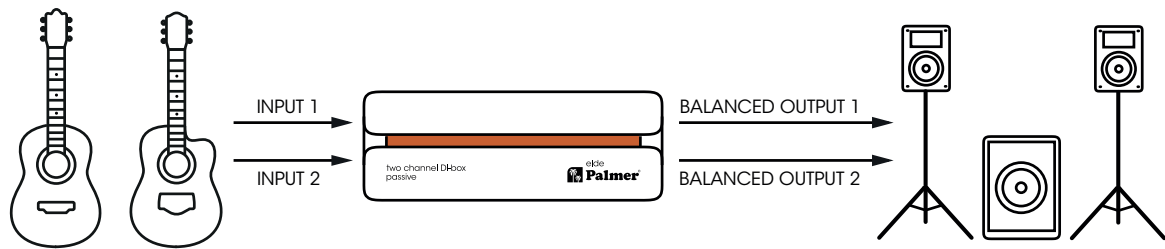
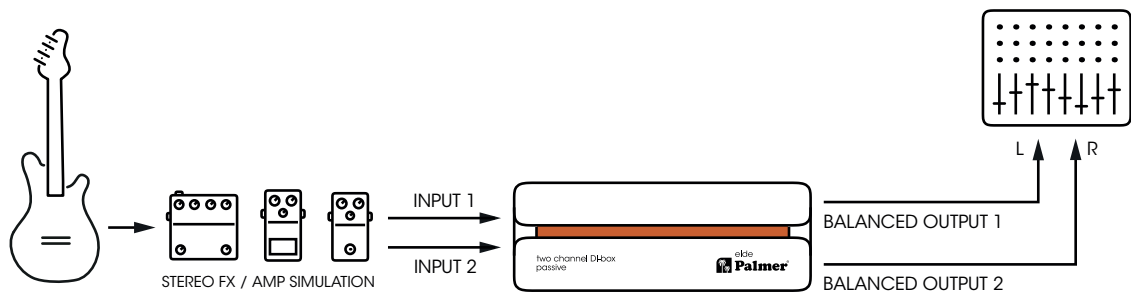
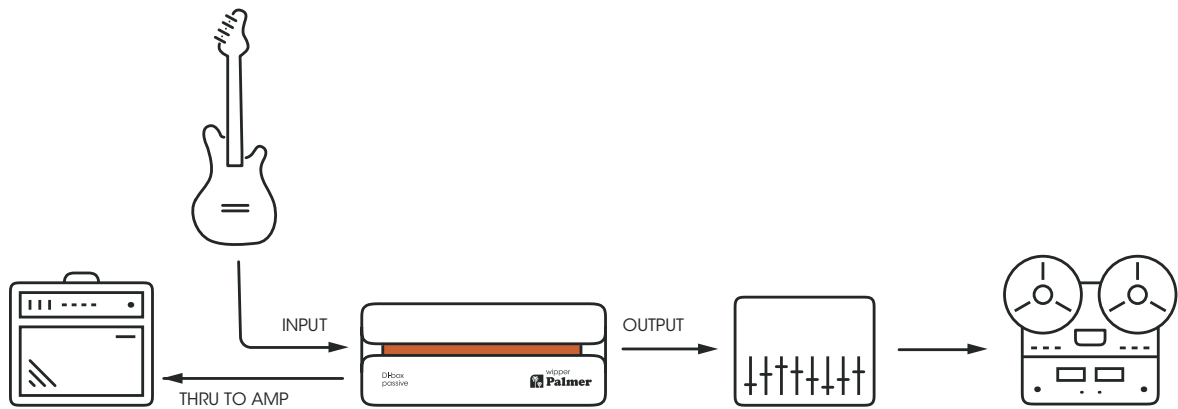




two channel DI-box
passive

Palmer

RIVER SERIES DI-BOXES





WIPPER

RIVER SERIES // PASSIVE DI-BOX

The Palmer wipper is a single channel passive DI-Box with a high-quality transformer, which also handles high levels without distorting or losing the pure sound of your instrument. With a ratio of 10:1, it can be used for optimal impedance and level adjustment to connect instrument signals from guitars, bass, keyboards or synthesisers to a balanced microphone input. At the same time galvanic isolation prevents ground loop hum, so that the signal remains pure, clear and ultra-low noise, without any interference. Thanks to a switchable 30 dB pre-attenuation, the wipper can also be looped in between amplifier output and the loudspeaker.

SPECIFICATIONS

Item No.	PWIPPER
Max. input level (< 1% THD, 20 Hz)	+24 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 0.2 dB, relative 1 kHz)	10 Hz - 60 kHz
Input impedance (1 kHz, setting: 0 dB Pad, THRU)	47 k Ω
Output impedance (1 kHz, setting: 0 dB Pad, THRU)	33 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.02%
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.0007%
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0.002%
Transformer ratio	10:1

All measurements were performed with a generator with 600 Ω output impedance and 1 k Ω balanced load.



ELDE

RIVER SERIES // PASSIVE DI-BOX

Impedance conversion and balancing is done passively via a transformer, which also provides galvanic isolation. Each channel has its own ground lift switch to eliminate ground loops.

The Palmer elde is a high-quality two-channel DI-Box that is extremely easy to use. Due to its passive design, it requires neither batteries nor phantom power. This makes it extremely reliable and failure-proof. With its robust aluminium/steel housing, the Palmer elde easily withstands rough everyday use on stage, and with its clean, unaltered sound, it also excels perfectly in the recording studio.

SPECIFICATIONS

Item No.	PELDE
Max. Input level (< 1% THD, 20 Hz)	+20 dBu
Max. Input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 0.2 dB, relative 1 kHz)	5 Hz - 80 kHz
Input impedance (1 kHz, setting: 0 dB PAD)	38.5 k Ω
Output impedance (1 kHz, setting: 0 dB PAD)	25 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.03%
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.002%
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0.002%
Transformer Ratio	10:1

All measurements were done with 600 Ω generator source impedance (including open inputs) and 1 k Ω balanced load.



FULL SPECS



FULL SPECS

line isolation boxes

» **river series** naab

- ▶ For connecting media devices (e.g., a laptop) to PA systems
- ▶ Reliably eliminates ground loop hum and interfering signal
- ▶ Galvanic transformer isolation
- ▶ Stereo, mono-switchable
- ▶ Inputs as 2 x 6.3 mm jacks (balanced/unbalanced)
2 x RCA, 1 x mini jack stereo
- ▶ 2 balanced XLR outputs
- ▶ Optimal impedance matching to avoid sound losses
- ▶ Passive construction, no power supply required
- ▶ Solid casing made of aluminium and steel
- ▶ Engineered in Germany





NAAB

RIVER SERIES // PASSIVE 2-CHANNEL MEDIA DI-BOX

If you connect a laptop to a sound system, in many cases the sound quality leaves a lot to be desired. It hums and crackles, sometimes there is also a loss of sound in the low and high frequencies. The Palmer naab, a two-channel media DI-Box, provides a reliable solution for this situation. If necessary, the Palmer naab can be switched from stereo to mono, which is often very useful in practice. The mono sum signal is then available at both XLR outputs at the same time; this way, the naab can also be used as a split box.

On the input side, there is a wide range of connections: 2x 6.3 mm jack sockets, which can be balanced or unbalanced, as well as 2x RCA and 1x 3.5mm mini jack (stereo). This eliminates the need for adapter cables - which you always forget to take with you anyway!

SPECIFICATIONS

Item No.	PNAAB
Max. input level (< 1% THD, 20 Hz)	+14 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 0.2 dB, relative 1kHz)	5 Hz - 50 kHz
Eingangsimpedanz (1 kHz)	10 k Ω
Ausgangsimpedanz (1 kHz)	80 Ω
THD (30 Hz, -10 dBV, unity, unweighted)	<0.03%
THD (1 kHz, -10 dBV, unity, unweighted)	< 0,0008 %
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, -10 dBV)	< 0,002%
Transformer ratio	3,16:1

All measurements were performed with a generator with 600 Ω output impedance and 1 k Ω balanced load.



KYLL

RIVER SERIES // PASSIVE 2-CHANNEL LINE ISOLATION BOX

The Palmer kyll is capable of very high levels. Compared to conventional line isolators for media applications, it can process much „hotter“ input signals without unwanted distortion being audible: up to +20 dBu! But the kyll can also process quieter signals without causing any sound alteration or noise, because it works purely passively with large isolating transformers. This makes the Palmer kyll extremely easy to use and fail-safe, as it requires neither batteries nor phantom power.

Conveniently, the inputs are designed as combo sockets that accept jack or XLR connectors. Adapters are unnecessary! The balanced outputs are designed as professional XLR sockets.

SPECIFICATIONS

Item No.	PKYLL
Max. input level (< 1% THD, 20 Hz)	+20 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 0.2 dB, relative 1kHz)	10 Hz - 50 kHz
Input impedance (1 kHz)	9,3 k Ω
Output impedance (1 kHz)	260 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0,9 %
THD (1 kHz, +4 dBu, unity, unweighted)	< 0,02 %
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0,01 %
Transformer Ratio	1:1

All measurements were performed with a generator with 600 Ω output impedance and 1 k Ω balanced load.



ENZ

RIVER SERIES // TWO CHANNEL UNBALANCED LINE ISOLATION BOX

When connecting a media player or a laptop to a HiFi- or PA system, you often experience noise such as hum and buzz caused by ground loops.

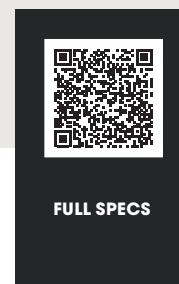
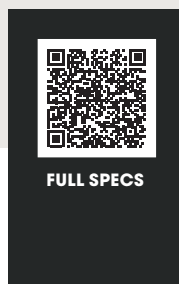
The cause of this interference lies mostly in ground potential differences, which result in stray DC currents via the audio lines. The solution is to place a transformer between the two devices to isolate the ground line. Palmer enz has two of these transformers for its two channels. Its inputs and outputs are RCA sockets, which are common for HiFi and consumer equipment.

This makes the enz Line Isolation Box a useful problem solver for home or car HiFi systems and PA systems from conference rooms to nightclubs. A Line Isolation box simply belongs in every DJ's kit.

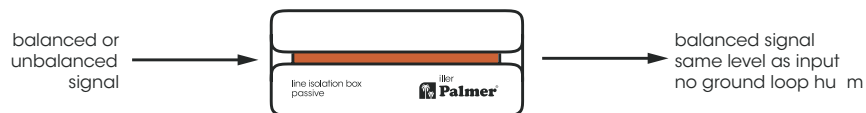
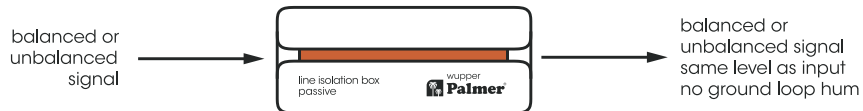
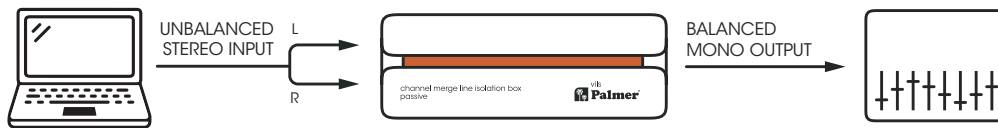
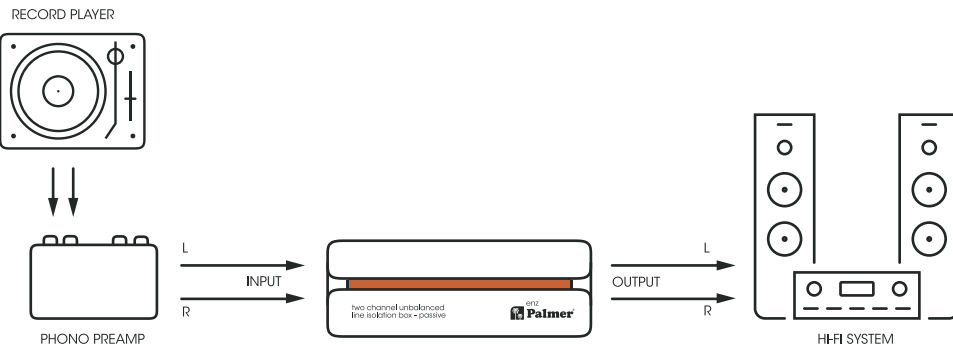
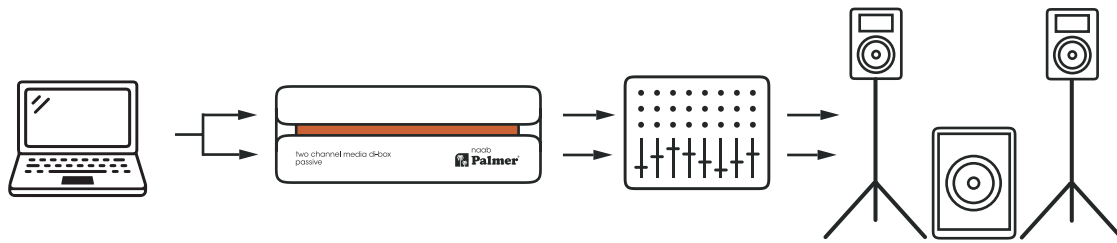
SPECIFICATIONS

Item No.	PENZ
Max. input level (< 1% THD, 20 Hz)	+ 14 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 1 dB, relative 1kHz)	5 Hz - 20 kHz
Input impedance (1 kHz)	16 k Ω
Output impedance (1 kHz)	1,3 k Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.15 %
THD (1 kHz, +4 dBu, unity, unweighted)	< 0,003 %
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0,003 %
Transformer ratio	1:1

All measurements were performed with a generator with 600 Ω output impedance and 20k Ω balanced load.



RIVER SERIES LINE ISOLATION BOXES





VILS

RIVER SERIES // CHANNEL MERGE LINE ISOLATION BOX

The Palmer vils has two unbalanced RCA inputs. You can use a standard Y cable with 3.5 mm jack to connect to the headphones output on the laptop. The vils sums both stereo channels to mono so that you only require one free microphone input for the connection to the PA.

The Palmer vils is extremely easy to use and its passive operation means it does not need a power supply. A resistor network and a transformer, which simultaneously balances the signal, ensure an optimal adjustment of level and impedance. This means that there is no interference even with longer cable runs. With the Palmer vils, you can be sure that your presentations are as crisp and clear as they sound at home.

SPECIFICATIONS

Item No.	PVILS
Max. input level (< 1% THD, 20 Hz)	+12 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 0.2 dB, relative 1 kHz)	20 Hz - 30 kHz
Input impedance (1 kHz)	2.7 k Ω
Output impedance (1 kHz)	600 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	<0.08%
THD (1 kHz, +4 dBu, unity, unweighted)	<0.003%
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0.002 %
Transformer ratio	1:1

All measurements were taken with a generator with 600 Ω output impedance (incl. open inputs) and 1 k Ω balanced load.



WUPPER

RIVER SERIES // PASSIVE LINE ISOLATION BOX

The Palmer wupper is an isolation transformer in a robust aluminium and steel housing. It separates the ground potentials of two devices so that equalising currents are prevented and only your sound is transmitted - clean and without interference. The Palmer wupper was developed for guitar and bass applications, but its brilliant, unaltered sound is just as suitable for keyboards and hi-fi equipment. The inputs and outputs with jack connections can be balanced or unbalanced. This means that the Palmer wupper can also be used to balance unbalanced signals, which allows longer cable runs without affecting the sound. Due to its passive design, the wupper requires neither batteries nor phantom power. This makes it extremely failure-proof.

SPECIFICATIONS

Item No.	PWUPPER
Max. input level (< 1% THD, 20 Hz)	+ 10 dBu
Max. input level (< 1% THD, 1 kHz)	+ 32 dBu
Frequency response (± 0.2 dB, relative 1 kHz)	20 Hz - 20 kHz
Input impedance (1 kHz)	17 k Ω
Output impedance (1 kHz)	500 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0,09 %
THD (1 kHz, +4 dBu, unity, unweighted)	< 0,002 %
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0,002 %
Transformer ratio	1:1

All measurements were performed with a generator with 600 Ω output impedance and 20 k Ω balanced load.



ILLER

RIVER SERIES // PASSIVE LINE ISOLATION BOX

The Palmer iller was developed for guitar and bass applications; however, due to its high-quality sound characteristics, it is just as suitable for keyboards and hi-fi equipment. The input (XLR/jack) can be balanced or unbalanced and the output (XLR) is balanced. This means that the Palmer iller can also be used to balance unbalanced signals, which allows longer cable runs without affecting the sound. Because of its passive design, the iller requires neither batteries nor phantom power. This makes it extremely failure-proof.

The Palmer iller is a simple, efficient hum killer: you connect it between two devices and the noise is gone. Sometimes it can be that simple!

SPECIFICATIONS

Item No.	PILLER
Max. input level (< 1% THD, 20 Hz)	+ 10 dBu
Max. input level (< 1% THD, 1 kHz)	+ 32 dBu
Frequency response (± 0.2 dB, relative 1 kHz)	20 Hz - 20 kHz
Input impedance (1 kHz)	17 k Ω
Output impedance (1 kHz)	500 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.09 %
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.002 %
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0.002 %
Transformer ratio	1:1

All measurements were performed with a generator with 600 Ω output impedance (incl. open inputs) and 20 k Ω balanced load.



FULL SPECS

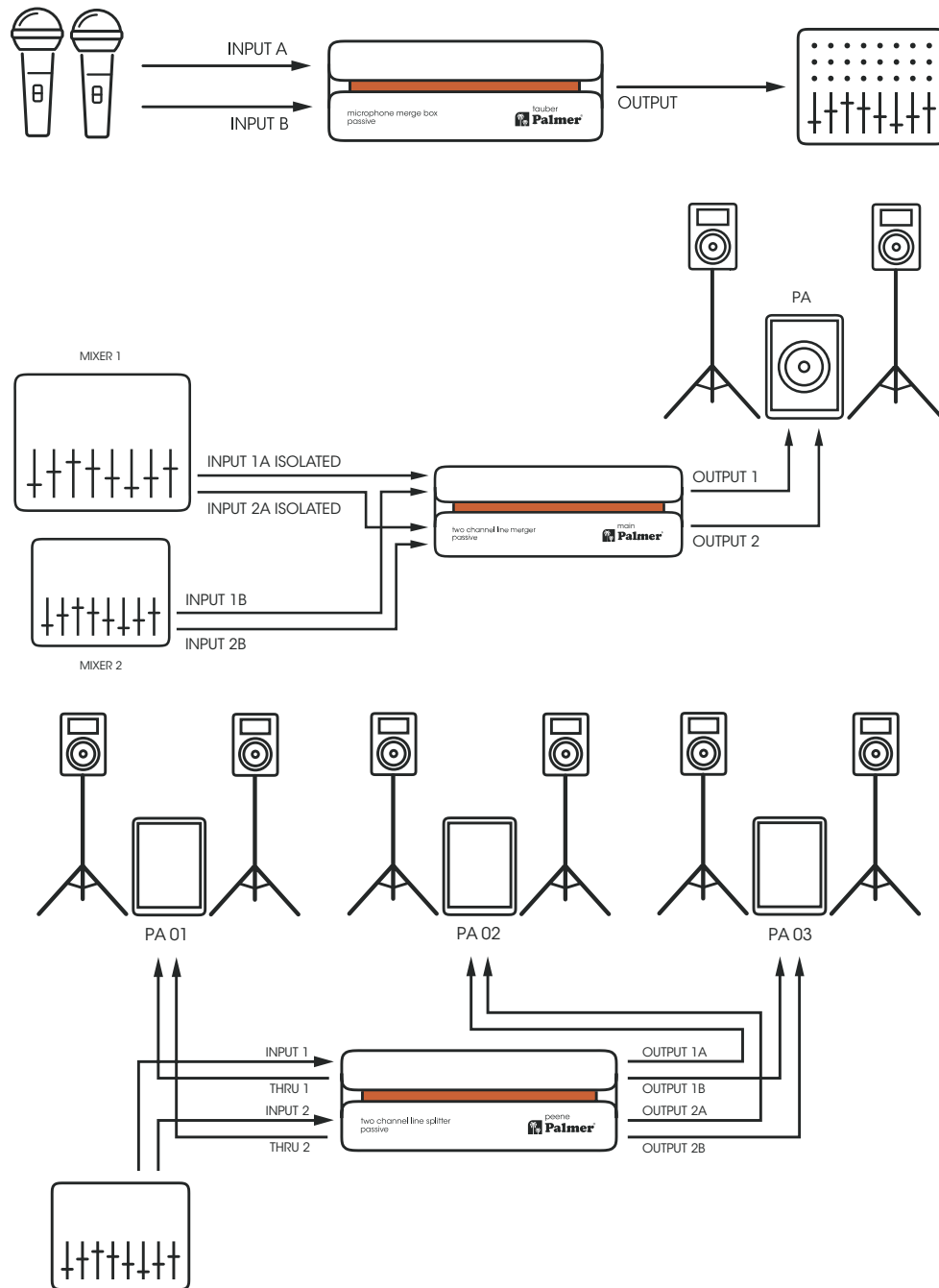


FULL SPECS



FULL SPECS

RIVER SERIES MERGE- & SPLIT BOXES





TAUBER

RIVER SERIES // PASSIVE MICROPHONE MERGE BOX

Do you have two microphones, but just one free microphone input?

This problem has existed for as long as there have been PA systems! The Palmer tauber Microphone Merge Box solves the problem in a simple way. It has two balanced microphone inputs that are summed via a resistor matrix to a balanced mono signal which is routed to a single XLR output. It's as easy as it sounds!

It can be used for two dynamic microphones or two condenser microphones. Ideally, they should be identical or similar microphone types to avoid any undesirable level differences. Phantom power is passed through to both inputs.

SPECIFICATIONS

Item No.	PTAUBER
Input impedance (1 kHz)	644 Ω
Output impedance (1 kHz)	400 Ω

All measurements were taken with a generator with 600 Ω output impedance (incl. open inputs) and 1 kΩ balanced load.



FULL SPECS



MAIN

RIVER SERIES // PASSIVE 2-CHANNEL LINE MERGER

The Palmer main works purely passively. The result is a particularly low noise floor and a neutral sound. Thanks to large transformers, it can handle high-level signals up to +20 dBu without distortion. The transformers also make it possible to assign the input pair A unbalanced while the output signal remains balanced.

The passive mode of operation without a power supply makes the Palmer main particularly reliable and failure-proof. The aluminium/steel housing and XLR sockets are also best suited to the rough everyday life on stage.

The Palmer main merge box solves typical sound reinforcement problems in the simplest way with uncompromised sound quality.

SPECIFICATIONS

Item No.	PMAIN
Max. input level (< 1% THD, 20 Hz)	+20 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (±0.2 dB, relative 1 kHz)	10 Hz - 80 kHz
Input impedance (1 kHz)	3,3 kΩ
Output impedance (1 kHz)	600 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0,9 %
THD (1 kHz, +4 dBu, unity, unweighted)	< 0,02 %
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0,015 %
Transformer ratio	1:1

All measurements were performed with a generator with 100 Ω output impedance and 20 kΩ balanced load.



FULL SPECS



PEENE

RIVER SERIES // PASSIVE DUAL-CHANNEL LINE SPLITTER

Do you want to send a line signal - stereo or dual mono - to multiple devices, without interference such as hum? Then the Palmer peene line splitter box is the right tool for you. It works on a purely passive basis with large isolation transformers, which can even handle high-level signals without distortion. So, for instance, you can send the stereo output signal from the mixer to several power amps, without any ground loops. The Palmer peene also includes a ground-lift switch. In addition to the two transformer-isolated outputs, the peene also directs the input signal on directly via a link out.

SPECIFICATIONS

Item No.	PPEENE
Max. Input level (< 1% THD, 20 Hz)	+20 dBu
Max. Input level (< 1% THD, 1 kHz)	+32 dBu
Frequenzgang (±1dB, relative 1kHz)	10 Hz - 30 kHz
Input impedance (1 kHz)	6.8 kΩ
Output impedance (1 kHz)	500 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 1%
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.02%
IMD (SMPTE) (60 Hz / 7 kHz, 4:1, +4 dBu)	< 0.01 %
Transformer ratio	1:1:1

All measurements were performed with a generator with 600 Ω output impedance and 1 kΩ balanced load.



FULL SPECS

guitar boxes

» **river series** ilm

- ▶ Analog Speaker simulation for authentic guitar sound without mic
- ▶ Three sound settings: normal, mellow, bright
- ▶ Can be used as DI box with speaker simulation bypassed
- ▶ Balanced XLR output
- ▶ Operation either between amplifier output and speaker or on the line output
- ▶ Switchable pre-attenuation for adjustment to amp levels
- ▶ No humming: galvanic transformer isolation
- ▶ Ground lift switch
- ▶ Simple and fail-safe, no power supply required
- ▶ Solid casing made of aluminium and steel
- ▶ Incl. rewritable tour label for attachment onto the back of the ilm
- ▶ Engineered in Germany





TRAVE

RIVER SERIES // PASSIVE RE-AMPLIFICATION BOX

The Palmer trave is a passive reamping box that requires no external power supply. Inside is a specially developed transformer that converts the balanced line signal into an unbalanced Hi-Z signal with perfectly matched impedance for your guitar amplifier or effect pedal. At the same time, the trave prevents ground loops, which are otherwise almost unavoidable when you combine an audio interface or mixer output with a guitar amp or effects pedal. The input of this reamping box allows you to switch between consumer (-10 dBV) and professional (+4 dBu) levels, and the output level is continuously adjustable, so you can drive your amp or pedals just the way you like

SPECIFICATIONS

Item No.	PTRAVE
Max. input level (<1% THD, 20 Hz)	+19 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 1 dB, relative 1 kHz)	10 Hz - 20 kHz
Input impedance (1 kHz, setting: max. level, -10 dBV)	5 k Ω
Output impedance (1 kHz, setting: max. level, -10 dBV)	4.2 k Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.08%
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.003%
IMD (SMPTE) (60 Hz/7 kHz, 4:1, +4 dBu)	< 0.004%
Transformer ratio	1:3

All measurements were performed with a generator with 100 Ω output impedance and 100 k Ω balanced load.



ILM

RIVER SERIES // PASSIVE SPEAKER SIMULATION DI-BOX

The Palmer ilm speaker simulation DI-box removes all the uncertainties of amp micing such as microphone choice, acoustic environment and positioning. With a sophisticated filter switch simulating the sound behaviour of a real guitar speaker, it captures your authentic sound, even without a microphone. Its direct signal always sounds the same, whether at home, in the (home) studio, during rehearsals, or on stage, whatever the room size.

The Palmer ilm offers three analog guitar speaker simulation settings, which represent typical guitar speaker models. We'll leave the flowery names to the others; on the Palmer ilm, they are called „normal“, „mellow“ and „bright“.

SPECIFICATIONS

Item No.	PILM
Max. input level (<1% THD, 20 Hz)	+12 dBu
Max. input level (< 1% THD, 1 kHz)	+32 dBu
Frequency response (± 1 dB, relative 1 kHz)	10 Hz - 60 kHz
Input impedance (1 kHz, setting: bypass, 0 dB PAD)	8.8 k Ω
Output impedance (1 kHz, setting: bypass, 0 dB PAD)	125 Ω
THD (30 Hz, +4 dBu, unity, unweighted)	< 0.25%
THD (1 kHz, +4 dBu, unity, unweighted)	< 0.009%
IMD (SMPTE) (60 Hz/7 kHz, 4:1, +4 dBu)	< 0.005%
Transformer ratio	1:5

All measurements were performed with a generator with 600 Ω output impedance and 1 k Ω balanced load.



FULL SPECS



FULL SPECS

grand audition

» grand audition MKII

- ▶ 24 switchable balanced line outputs
- ▶ Intuitive browser-based control software
- ▶ Individual level control on each output
- ▶ Mono and stereo modes
- ▶ Multiple channel selection / Multi-output
- ▶ High-quality analogue signal path
- ▶ Latency- and noise-free channel switching
- ▶ XLR line inputs and built-in USB media player
- ▶ Up to three devices cascadable for a total of 72 outputs





GRAND AUDITION MKII

24-CHANNEL LOUDSPEAKER SWITCHING SYSTEM

When tasting wine, it is important that a comparison is as neutral as possible. The same applies to selecting loudspeakers. To accurately judge sound characteristics, it is essential to listen to different loudspeakers under the same conditions.

Comfortable loudspeaker routing with variable level control for an uncompromising comparison on the sales floor, along with multi-monitor and multi-room applications, are just some of the ways the GrandAudition MK2 can be effectively put to use.

GrandAudition MKII lets you connect 16 individual loudspeakers or eight loudspeaker pairs and up to eight subwoofers - all with balanced line-level XLR connectors and housed in two 19" rack units. Depending on how you want to use GrandAudition MK2, the outputs can be selected either individually or as stereo pairs via an intuitive browser-based app or from the unit itself.

Thereby you can choose to just switch between loudspeakers or freely configure any output combination you want, making it not only the ideal solution for a loudspeaker presentation, but also an excellent choice as a central-control-unit for trade fairs, in laboratories and for multi-room sound distribution.

Source material is supplied from a mixer, CD player or digital audio workstation through two balanced XLR inputs - with volume control, of course. But that's not all. GrandAudition MKII is also equipped with a built-in USB media player on which reference titles can be accessed in WAV, AIF, FLAC, MP3 and OGG data formats.



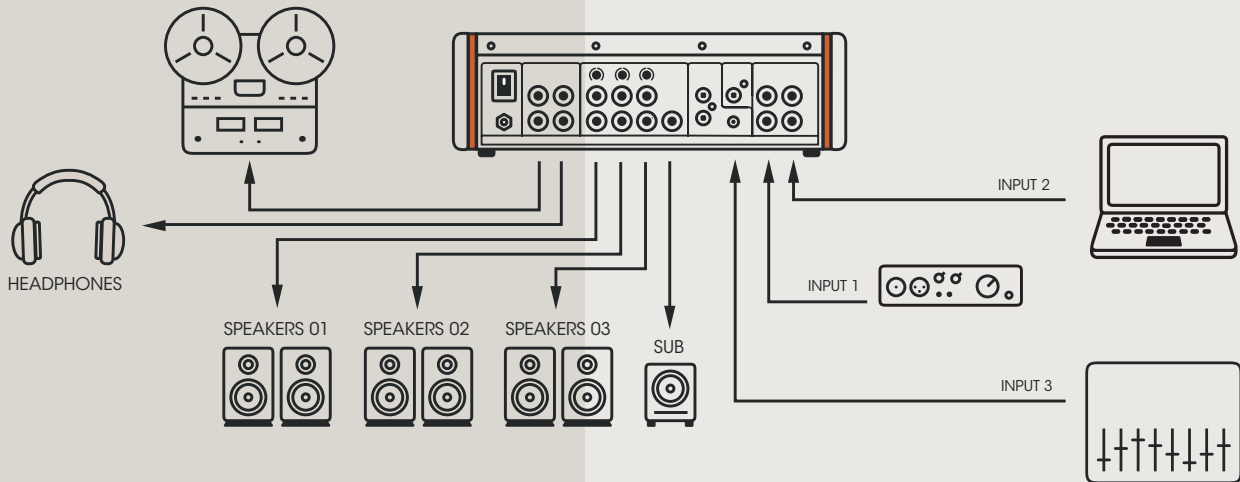
FULL SPECS







reddot winner 2020





MONICON XL

ACTIVE STUDIO MONITOR CONTROLLER

Switching between different signal sources and monitors is one of the most common tasks in any studio. Ergonomic console design and two clearly structured control levels makes the Palmer MONICON XL the perfect, intuitive nerve centre for all your requirements. Selecting audio sources and loudspeakers is convenient and at the touch of a button.

The Palmer studio monitor controller features three analog stereo inputs, one S/PDIF input and outputs for three monitor pairs, each with its own volume controller for level calibration. A further mono summed full-range output is also available for connecting either a mono monitor or a subwoofer. An exclusive highlight of the MONICON XL is its correlation meter, which displays the phase difference between a stereo signal's left and right channels. This facilitates the quick and simple discovery of mono-compatibility errors in mixes. The controller is also customisable to your personal work style.

SPECIFICATIONS

Item No.	PMONICONXL
Inputs	3 + SPDIF
Input connectors	3.5 mm TRS, 6.3 mm jack, RCA, SPDIF
Input type	balanced/unbalanced (depending on TS/TRS connection)
Max. input level	20 dBu
Input impedance	(balanced) 10.000 Ω(s), (unbalanced) 5.000 Ω(s)
Outputs	7 x stereo
Output connectors	TRS balanced (1 - 3), TRS unbalanced (CUE, MAIN, headphones 1 & 2)
Output impedance	600 Ω(s)
Frequency response	12 - 90000 Hz
Total Harmonic Distortion (THD)	0.002 % (BW 20 - 20,000 Hz)
Signal-to-noise ratio (SNR)	102 dB (a-weighted) @ + 4 dBu
Dynamic range (DR AES17)	115 dB

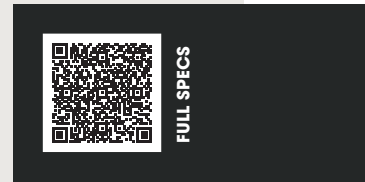
» FEATURES

- ▶ Latency-free analogue signal path
- ▶ Customisable
- ▶ Level indicator L/R with +4, +10 and +18 dBu calibration options
- ▶ Correlation meter for verifying mono-compatibility
- ▶ Two headphone outputs with volume controllers and main cue selector switches
- ▶ Three analogue inputs, one S/PDIF input
- ▶ Three loudspeaker outputs with volume controllers for level calibration
- ▶ Mono summed output for subwoofer or mono monitor
- ▶ Main and cue direct outputs



reddot winner 2020





STUDIMON 5

POWERED 5" NEARFIELD STUDIO MONITOR

When producing and mixing your music or editing your videos you'll need studio monitors with absolutely honest sound reproduction where all elements can be heard separately from each other. The STUDIMON 5 nearfield studio monitors offer accurate sound reproduction, two powerful 30-watt class AB power bi-amplifiers and an elegant design that seamlessly complements every studio environment — even at home. With its 3/4" silk dome tweeter, you'll hear every detail in the stereo field of your mix up to 20 kHz. The magnetically shielded 5" woofer and, rear bass-reflex aperture will give you deep and defined bass frequencies down to 50 Hz. This is all you need to make your low end clear and pop out on most consumer systems, including smartphones.

Whether you're making music, creating content or your next live stream, STUDIMON 5 ensures a true representation of your mix, so you can make confident mixing decisions to be true to your sound.

SPECIFICATIONS

Item No.	PSTUDIMON5
Dispersion (H x V)	120 ° x 120 °
System Power (RMS)	2 x 30 W
Frequency response	70 - 20000 Hz (-3dB)
Max. SPL	103 dB
Signal-to-noise ratio	85 dB
Width	190 mm
Height	268 mm
Depth	215 mm

» FEATURES

- ▶ 5" woofer and 0.75" soft dome tweeter
- ▶ Bass reflex design
- ▶ 60-W RMS bi-amping power amplifier
- ▶ Frequencyrange 50 Hz - 20 kHz
- ▶ Balanced XLR and 6.35 mm stereo jack input
- ▶ Compact design
- ▶ Elegant and robust housing

DESIGN MEETS QUALITY

PREMIUM STANDS BY GRAVITY®



SP 3102

STUDIO MONITOR SPEAKER STAND

- ▶ Infinitely variable height adjustment
- ▶ Tilt angle up to +/- 15°
- ▶ 360° rotatable
- ▶ EVA padded bearing surface
- ▶ Anti-tip for the speaker



SP 3102 TM

FLEXIBLE STUDIO MONITOR STAND WITH TABLE CLAMP

- ▶ Compact table clamp with 100 mm clamping range
- ▶ Infinitely variable height adjustment
- ▶ 360° rotatable
- ▶ Up to +/- 15° tilt angle
- ▶ EVA-padded surface
- ▶ Anti-tipping protection for speakers



SP 3102 C B

COMPACT STUDIO MONITOR TABLE STAND

- ▶ Compact & space saving
- ▶ Continuously height adjustable
- ▶ EVA padded bearing surface
- ▶ Rubberised anti-slip feet
- ▶ Sturdy steel construction





Gravity[®] 
take the stage





Palmer

FULL SPECS



CAB 112 BX

EMPTY GUITAR SPEAKER CABINET 1 X 12, OPEN BACK

The Palmer 1 x 12 empty guitar speaker cabinet is a robust and heavy-duty enclosure for one 12" speaker which is perfect for creating a custom cabinet with your own personal speaker preference. Featuring a particle housing and an MDF baffle construction, an open back, detachable grille cloth and all the required speaker connections such as connection plate, cables and screws the Palmer 1 x 12 empty guitar speaker cabinet is perfect for guitarists hunting for their own unique cabinet tone.

PCAB112BXCRM	Celestion G12M-65 Creamback	8 Ω	65 W
PCAB112BXGBK	Celestion G12M-25 Greenback	8 Ω	25 W
PCAB112BXV30	Celestion Vintage 30	8 Ω	60 W

» FEATURES

- ▶ 1 x 12" Empty Speaker Cabinet
- ▶ Open Back
- ▶ Front Mounting Speaker cut out
- ▶ Detachable Grille Cloth
- ▶ Includes Connection Plate, Cables and Screws
- ▶ Additional cabinets can be connected in parallel
- ▶ Quality Checked in Germany



CAB 212 BX

EMPTY GUITAR SPEAKER CABINET 2 X 12, OPEN BACK

The Palmer 2 x 12 empty guitar speaker cabinet is a robust and heavy-duty enclosure for two 12" speakers which is perfect for creating a custom cabinet with your own personal speaker preference. Featuring a particle housing and an MDF baffle construction, an open back, recessed handles, detachable grille cloth and all the required speaker connections such as connection plate, cable and screws, the Palmer 2 x 12 empty guitar speaker cabinet is perfect for guitarists hunting for their own unique cabinet tone.

PCAB212BXCRM	Celestion G12M-65 Creamback	8 Ω	130 W
PCAB212BXGBK	Celestion G12M-25 Greenback	8 Ω	50 W
PCAB212BXV30	Celestion Vintage 30	8 Ω	120 W

» FEATURES

- ▶ 2 x 12" Empty Speaker Cabinet
- ▶ Open Back
- ▶ Front Mounting Speaker cut outs
- ▶ Detachable Grille Cloth
- ▶ Includes Connection Plate, Cables and Screws
- ▶ Mono and stereo mode
- ▶ Quality Checked in Germany

CLOSED BACK AVAILABLE

PCAB212XCRM	Celestion G12M-65 Creamback	8 Ω	130 W
PCAB212XGBK	Celestion G12M-25 Greenback	8 Ω	50 W
PCAB212XV30	Celestion Vintage 30	8 Ω	120 W



CELESTION

CELESTION SPEAKERS

Responsible for the first ever dedicated guitar speaker, Celestion drivers have become the 'voice of rock & roll', delivering many of the most memorable performances by guitarists including Jimi Hendrix and Slash through to the current crop of high-octane shredders.



VINTAGE 30

Detailed and complex overtones, warm low-end, rich vocal mid-range and a beautifully detailed top-end.



G12M GREENBACK

Well-controlled low-end, broad mid-range attack, restrained top-end, forward punchy attitude to chords, searing lead tones without fizz.



G12M-65 CREAMBACK

Tight low end with warm and vocal mid range, crunchy upper-mids and sweet refined highs.

SPECIFICATIONS	VINTAGE 30	G12M GREENBACK	G12M-65 CREAMBACK
Nominal Basket Diameter	12in, 305 mm	12in, 305 mm	12in, 305 mm
Nominal Impedance	8Ω or 16Ω	8Ω or 16Ω	8Ω & 16Ω
Power Rating	65W	25W	65W
Resonance	75Hz	75Hz	75Hz
Usable Frequency Range	75Hz - 5kHz	75Hz - 4.5kHz	75Hz - 5kHz
Sensitivity	97dB	98dB	97dB
Magnet Weight	1.42kg / 50oz.	0.99kg / 35oz.	0.99kg / 35oz.
Voice Coil Diameter	1.75in / 44.5mm	1.75in / 44mm	1.75in / 44.5mm
Net Weight	10.4lbs., 4.7kg	7.9lbs., 3.6kg	10.4lbs., 4.7kg
DC resistance, Re	6.7Ω & 13.1Ω	6.7Ω & 13.1Ω	6.7Ω & 13.1Ω
Magnet type	Ceramic	Ceramic	Ceramic
Chassis type	Pressed steel	Pressed steel	Pressed steel



m² by  Palmer Design

5
STAR

FEATURES

- 0.50 mm² conductor (AWG 20)
- Conductive PE insulation 2.40 mm
- Additional protective insulation
- Tin plated copper braided shielding 100 % shielding factor
- Very robust soft-PVC jacket
- Assembled with original Neutrik[®] connectors with gold contacts

INSTRUMENT CABLE by



Palmer[®]
be true to your sound

CONNECTORS BY



NEUTRIK[®]
A BRAND OF THE NEUTRIK GROUP

universal powersupply

FEATURES

- ▶ universal powersupply with IEC mains socket
- ▶ single isolated, centre negative 9V DC outlets
- ▶ USB C and USB A power outlets with 18W
- ▶ 9V DC 2000mA non isolated power outlet for e.g. a PWT04
- ▶ variable voltage outlets 6 - 18 V
- ▶ Short circuit and overload protection for each outlet





SPECIFICATIONS

Item number	PWT06IEC
Product type	Power Supplies
Input voltage	AC 100 - 240 V
Single isolated DC Outputs	6
Output 1	6 - 18 V (250 mA max)
Output 2	9 V (500 mA max)
Output 3 - 4	9 / 12 V (250 mA max)
Output 5 - 6	9 / 18 V (250 mA max)
Non isolated DC Output	9 V (2000 mA max)
Output connectors	2.1 x 5.5 mm
Output voltage	6V - 18 V
Max Output Power	24 W (Output 1 - 6)
Max. Power consumption	70 W
Single isolated Outputs	yes
Polarity	center negative
USB-C / USB-A Output Power	18 W max.
Indicators	Power
Controls	Mains Switch, Output voltage selector
Depth	93 mm
Width	168 mm
Height	42 mm
Weight	0.46 kg
Accessories	1x AC cord, 9x DC cables (30 / 60 cm), 4x Rubber Feet
Noise	< 40 µV (Output 1 - 6)
Ambient temperature in operation	0° - 40 °C
Air humidity	< 80% (non-condensing)

Item number	PWT12IEC
Product type	Power Supplies
Input voltage	AC 100 - 240 V
Single isolated DC Outputs	12
Output 1 - 2	6 - 18 V (250 mA max)
Output 3 - 6	9 V (100 mA max)
Output 7 - 10	9 V (250 mA max)
Output 11 - 12	9 V (500 mA max)
Non isolated DC Output	9 V (2000 mA max)
Output connectors	2.1 x 5.5 mm
Output voltage	6V - 18 V
Max Output Power	30.6 W (Output 1 - 12)
Max. Power consumption	77 W
Single isolated Outputs	yes
Polarity	center negative
USB-C / USB-A Output Power	18 W max.
Indicators	Power
Controls	Mains Switch, Output voltage selector
Depth	93 mm
Width	168 mm
Height	42 mm
Weight	0.54 kg
Accessories	1x AC cord, 15x DC cables (30 / 60 / 90 cm), 4x Rubber Feet
Noise	< 40 µV (Output 1 - 12)
Ambient temperature in operation	0° - 40 °C
Air humidity	< 80% (non-condensing)

PWT PB 40

POWER SUPPLY WITH 8 OUTPUTS FOR PEDALBAY® 40



PWT PB 60

POWER SUPPLY WITH 8 OUTPUTS FOR PEDALBAY® 60

Attention stage-musicians: The Palmer Powerbar greatly reduces your gig set-up time thanks to the universal power supply which can be completely and discreetly integrated into the pedalboard. Simply replace the first crossbar with the power supply to experience the familiar high quality: Eight single isolated centre-negative outputs of which two are switchable outputs of 9, 12 or 18 volts for added flexibility. Optimum performance is provided by a total current of 2,000 mA. The best thing: no more forgotten power supplies or unnecessary cable clutter on-stage means no more stress.

ITEM NO.: PWTPB60

- ▶ Space-saving universal power supply unit through patented integration into the pedalboard
- ▶ 8 single isolated centre-negative outputs
- ▶ Two 9, 12 or 18 V switchable outputs
- ▶ Total current 2,000 mA
- ▶ Safe use thanks to short circuit and overload protection for each output
- ▶ Built-in LED power and function indicators



FULL SPECS



FULL SPECS



PWT PB 40 RK

POWER SUPPLY UNIT WITH 8 OUTPUTS FOR RACK MOUNTING

Working with effects units and patchbays in the studio opens up creative possibilities for discovering new sounds. If it weren't for the hassle of power supply and the accompanying cable clutter.

For this very reason, Palmer® offers the Powerbar WT PB 40 RK, which you can install in a 19" rack and thus always have a 9V DC output at hand.

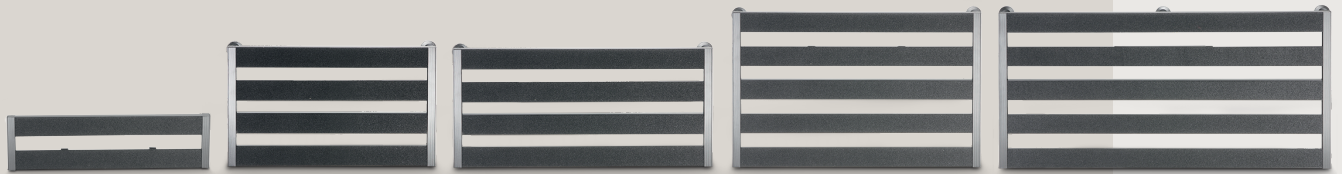
The rack-mountable power supply helps you keep the studio table tidy and your signal chain stable. Eight separately insulated centre-negative outputs make sure that digital noise does not sneak into your recordings. Two of these individually isolated outputs can be switched to either 9, 12 or 18 volts for additional flexibility.

The Palmer® WT PB 40 RK simplifies the creative work with your effects devices and helps keep your studio desk or live rack organised.

ITEM NO.: PWTPB40RK

- ▶ Compact universal power supply for 19" rack mounting
- ▶ Eight separately isolated centre-negative outputs
- ▶ Two outputs switchable to 9, 12 or 18 V
- ▶ Total current 2,000 mA
- ▶ Secure operation by protecting outputs against short circuits and overload
- ▶ Integrated LED power and function indicators

AVAILABLE SIZES:



PEDALBAY 50S

WIDTH: 50 cm / 19.69"
 DEPTH: 13.5 cm / 5.31"
 HEIGHT: 3.5 cm / 1.38"

2 CROSSBARS

PEDALBAY 40

WIDTH: 45 cm / 17.72"
 DEPTH: 30.5 cm / 12.01"
 HEIGHT: 7 cm / 2.76"

4 CROSSBARS

PEDALBAY 60

WIDTH: 60.5 cm / 23.82"
 DEPTH: 30.5 cm / 12.01"
 HEIGHT: 7-8.5 cm / 2.76"- 3.34"

4 CROSSBARS

PEDALBAY 60L

WIDTH: 60 cm / 23.62"
 DEPTH: 39 cm / 15.35"
 HEIGHT: 7 cm / 2.76"

5 CROSSBARS

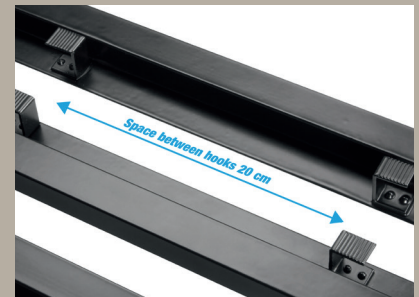
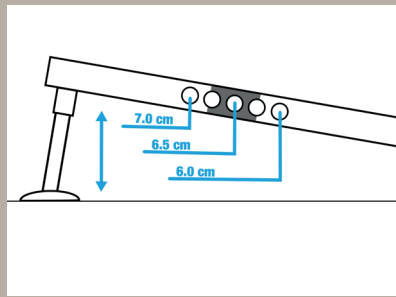
PEDALBAY 80

WIDTH: 80 cm / 31.50"
 DEPTH: 39 cm / 15.35"
 HEIGHT: 7 cm / 2.76"

5 CROSSBARS



EASY ADJUSTMENT



POWER SUPPLY MOUNTING HOOKS



PEDALBAY HNL

HOOK AND LOOP FASTENER
 50 mm / 1.97" WIDE, 1 m



SUITABLE POWER SUPPLIES:

- PWT12IEC
- PWT08
- PWT06IEC
- PWT05MK2
- PWT04



PEDALBAY® 40 PB

PEDALBOARD40 INKL.WTPB40 POWERBAR

The PEDALBAY® 40 PB set combines the Palmer PEDALBAY® 40 and the Palmer WT PB 40 power supply with 8 single-isolated outputs. Due to the patented integration, the power supply can be exchanged and fixed with the rear rail of the PEDALBAY® 40. A separate transport for power supply and PEDALBAY® is no longer necessary.

SPECIFICATIONS

Product type:	Pedalboards
Material:	Aluminum
Surface:	Powder coated
Width of the Cross Bars:	50 mm / 1.97"
Width:	450 mm / 17.72"
Height:	70 - 85 mm / 2.76" - 3.35"
Depth:	305 mm / 12.01"
Weight Pedalbay:	1.23 kg / 2.71 lbs.
Weight:	3.83 kg / 8.44 lbs.
Accessories (included):	2x black elastic bands, allen key,



FULL SPECS





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SOUND
TECHNOLOGY

LIGHT
TECHNOLOGY

STAGE
EQUIPMENT

HARDWARE
FOR FLIGHTCASES



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