

Palmer
Analog Dynamic
Tube Amp Hub



Palmer Analog Dynamic Tube Amp Hub User Manual

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Palmer Analog Dynamic Tube Amp Hub



Product Specifications

- **Product Name:** Supreme Soaker Analog Dynamic Tube Amp Hub
- **Model:** River Rsiees-1
- **Power Output:** 50W
- **Inputs:** MIC/LINE IN, SPK/AMP
- **Controls:** FX LEVEL PRO/INSTR, FX LOOP DRY/WET, SPEAKER TONE, SPEAKER ATTN
- **Speaker Simulation:** LINE EQ

Product Usage Instructions

Safety Instructions

1. Avoid trip hazards when setting up the product.
2. Maintain the specified distance from flammable materials.
3. Consider the IP protection rating and ambient conditions like temperature and humidity as per specifications.

Setup and Connection

1. Connect your microphone or line input to the MIC/LINE IN port.
2. Connect your speakers to the SPK/AMP output.

Adjusting Effects and Signal Flow

1. Use the FX LEVEL PRO/INSTR switch to adjust the send level.
2. Set the FX LOOP DRY/WET switch to DRY for the outgoing signal without effects, and WET for signal with effects.

Tone Adjustment

Use the SPEAKER TONE 6-way switch to adjust the speaker signal path's tonal characteristics.

Safety Precautions

Ensure the SPEAKER ATTN switch is set to BYPASS only when no speaker is connected to the SPK OUT.

Speaker Simulation

The LINE EQ function works regardless of the power reduction level selected.

INFORMATION ON THIS USER MANUAL

Carefully read the safety instructions and the entire manual before operating the device.

- Observe the warnings on the device and in the user manual.
- Always keep the user manual within reach.
- If you sell or pass on the device, it is important that you also include this user manual, as it is an integral part of the product.

INTENDED USE

This product is a device for event technology, as well as studio, TV and broadcast!

- This product has been developed for professional use in the field of event technology, studio, TV and broadcast.
- Furthermore, this product is only intended for qualified users with specialist knowledge of event technology, as well as studio, TV and broadcast!
- Use of the product outside the specified technical data and operating conditions is considered improper use!
- Liability for damage and third-party damage to persons and property due to inappropriate use is excluded!
- The product is not suitable for:
- Use by persons (including children) with limited physical, sensory or mental abilities or lack of experience and knowledge.
- Children (children must be instructed not to play with the device).

EXPLANATIONS OF TERMS AND SYMBOLS

1. **DANGER:** The word DANGER, possibly in combination with a symbol, indicates immediately dangerous situations or conditions for life and limb.
2. **WARNING:** The word WARNING, possibly in combination with a symbol, indicates potentially dangerous situations or conditions for life and limb.
3. **CAUTION:** The word CAUTION, possibly in combination with a symbol, is used to indicate situations or conditions that may lead to injury.
4. **ATTENTION:** The word ATTENTION, possibly in combination with a symbol, refers to situations or conditions that can lead to damage to property and/or the environment.



- This symbol identifies hazards that can cause electric shock.



- This symbol identifies hazardous areas or hazardous situations.



- This symbol indicates hazards caused by hot surfaces.



- This symbol indicates dangers due to high volume levels.



- This symbol denotes a device that does not contain any user-serviceable parts.



- This symbol indicates additional information on the operation of the product.



- This symbol indicates a device that may only be used in dry rooms.

SAFETY INSTRUCTIONS

DANGER:

1. Do not open the device and do not make any modifications.
2. If your device no longer functions properly, if liquids or objects get inside it or if it has been damaged in any

other way, switch it off immediately and disconnect it from the mains. The device may be repaired only by authorised repair technicians.

3. For devices of protection class 1 the protective conductor must be connected correctly. Never disconnect the protective conductor. Devices of protection class 2 do not have a protective earth conductor.
4. Ensure that live cables are not kinked or otherwise mechanically damaged.
5. Never bypass the device fuse.

WARNING:

1. The device must not be used if it shows obvious signs of damage.
2. The device may only be installed in a voltage-free state.
3. If the mains cable or power supply unit of the device is damaged, the device must not be put into operation.
4. Permanently connected power cables may only be replaced by a qualified person.

ATTENTION:

1. Do not switch on the device if it has been exposed to extreme temperature fluctuations (for example, following transport). Moisture and condensation can damage the device. Switch on the device only when it has reached ambient temperature.
2. Ensure that the voltage and frequency of the mains supply match the values specified on the device. If the device has a voltage selector switch, do not turn the device on until it has been set correctly. Use only suitable power cables.
3. To disconnect the device completely from the power supply, unplug the power cable or the power adapter from the socket. It is not sufficient to press the on/off switch on the device. In addition, a connected amplifier must also be disconnected from the device!
4. Make sure that the fuse used corresponds to the type printed on the device.
5. Ensure that suitable measures have been taken against overvoltage (e.g. lightning strikes).
6. Observe the specified maximum output current on devices with a Power Out connection. Ensure that the total current consumption of all connected devices does not exceed the specified value.
7. Replace plug-in power cables with original cables only.

DANGER:

1. Choking hazard! Plastic bags and small parts must be kept out of reach of persons (including children) with reduced physical, sensory or mental capabilities.
2. Risk of falling! Make sure that the device is securely installed and cannot fall down. Only use suitable stands or mounts (particularly for fixed installations). Ensure that accessories are properly installed and secured. Ensure that all applicable safety regulations are observed.

WARNING:

1. Use the device in the prescribed manner only.
2. Operate the device using only accessories of the type recommended and supplied by the manufacturer.
3. Observe safety regulations applicable in your country during installation.

4. After connecting the device, ensure that all cables are routed so as to avoid damage or accidents, such as from tripping.
5. Be sure to observe the specified minimum distance to normally flammable materials! Unless explicitly stated, the minimum distance is 0.3 m.

CAUTION:

1. Moving components such as mounting brackets pose a jamming hazard.
2. The housing surface of the device can become very hot during regular operation. Ensure that accidental touching of the housing is not possible. Always allow the device to cool sufficiently before removal, maintenance work and charging etc.

ATTENTION:

1. Do not install or use the device in the vicinity of radiators, accumulators, stoves, or other heat sources. Ensure that the device is always installed in such a way that it is sufficiently cooled and cannot overheat.
2. Do not place any ignition sources, such as burning candles, near the device.
3. Ventilation openings must not be covered and fans must not be blocked.
4. For transport, use the original packaging or packaging provided by the manufacturer.
5. Avoid any impacts to or shaking of the device.
6. Observe the IP rating and the ambient conditions such as temperature and humidity according to the specifications.
7. Devices can always be further improved. In the event of any discrepancies between the operating instructions and the device labelling with regard to operating conditions, performance or other device characteristics, the information on the device always takes precedence.
8. The device is not suitable for tropical climate zones or for operation over 2,000 m above sea level.
9. Unless explicitly stated, the device is not suitable for operation under marine conditions.

PLEASE NOTE: For conversion or retrofit sets or accessories provided by the manufacturer, it is essential to observe the included instructions.

CAUTION, HIGH VOLUME AUDIO PRODUCTS!

This device is designed for professional use. The commercial operation of this device is subject to the applicable national regulations and guidelines for accident prevention. Hearing damage due to high volume and continuous exposure: Use of this product may generate high sound pressure levels (SPL) that may cause hearing damage. Avoid exposure to high volumes.

- **CAUTION:** Connecting signal cables and switching operations (e.g. switching phantom power on and off) can lead to considerable noise. Make sure that input channels (mixing console, audio interface, effects device, etc.) are muted during wiring and switching operations. Otherwise, noise levels may cause damage.
- **WARNING:** The power rating of a connected amplifier must not exceed 150 W RMS!
- **CAUTION:** Always connect speaker cables BEFORE switching on the amplifier and Supreme Soaker and only disconnect the cables AFTER switching off!
- **WARNING:** To completely de-energise the Supreme Soaker, unplug the mains adapter from the socket AND disconnect any connected amplifier from the device.

- **CAUTION:** Make sure that the ventilation openings in the housing of the device are not covered during operation and that air can circulate freely, especially when rack-mounted!
- **NOTE:** Strong magnetic fields can cause humming. Therefore, do not position the Supreme Soaker in the vicinity of strong magnetic fields (e.g. mains transformer).

NOTES FOR PORTABLE INDOOR DEVICES:

1. Temporary operation! Event equipment is generally only designed for temporary operation.
2. Continuous operation or permanent installation can impair the functioning of the device and cause premature ageing.

PACKAGING CONTENT

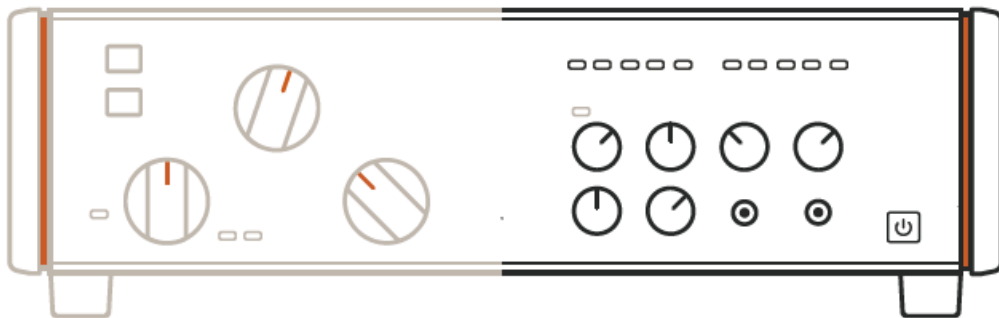
Remove the product from the packaging and remove all packaging material. Please check the completeness and integrity of the delivery and notify your distribution partner immediately after purchase if the delivery is not complete or if it is damaged.

The packaging content includes:

- 1 x Supreme Soaker
- 1 x external power supply unit
- User manual

THIS IS YOUR NEW ANALOGUE DYNAMIC TUBE AMP HUB!

With others – or all at the same time – the Supreme Soaker is the perfect tool to ensure that your signal always remains pure and analogue. Whether you're jamming at home, recording your own music or playing



These are just some of the most important advantages of the Supreme Soaker:

- Reactive power reducer and load box: You can dial in the sweet spot of your amp at any volume, from zero (yes, you can use headphones or record quietly) to room volume to the highest you dare to go. The choice is yours, and of course without a speaker cabinet!
- Fine-tuned analogue speaker simulator: Change the sound of your amplifier at will to get the ultimate sound – you'll never need a microphone for a speaker again!
- Speaker output with unique tone control: Change the sound palette of your speaker cabinet to create new, distinctive soundscapes.

- Microphone/line input (can be mixed with the speaker simulator): Combine your favourite miked speaker with the Supreme Soaker's speaker simulator for an analogue sound experience that's in a class of its own.
- Headphone output on the front: perfect for silent practice when inspiration strikes.
- Stereo FX Loop: Do you love your pedals? Us too! That's why the Supreme Soaker has a stereo FX loop.
- Aux input on the front: Want to jam to backing tracks or even play to a click? The Supreme Soaker makes it very easy.
- Balanced stereo XLR line outputs: When it comes to recording, the whole world is open to you.
- Compatible with 8- and 16-ohm setups: Works perfectly with 99% of all tube amplifiers.
- Designed for amplifiers up to 150 watts RMS: perfect for taming even the large, arena-filling tube amplifiers of yesteryear! With the Supreme Soaker, you finally have a reason again to dust off your full stack!
- Amplifier protection circuit with permanent amplifier load: Never again worry about plugging in your amplifier without speakers connected!
- A purely analogue experience for which you don't need an app! Perhaps most importantly, the Supreme Soaker is simple, direct and pristine: your analogue sound is preserved at all times, and all the controls you need are right on the device so you can focus on what's most important:

Making music!

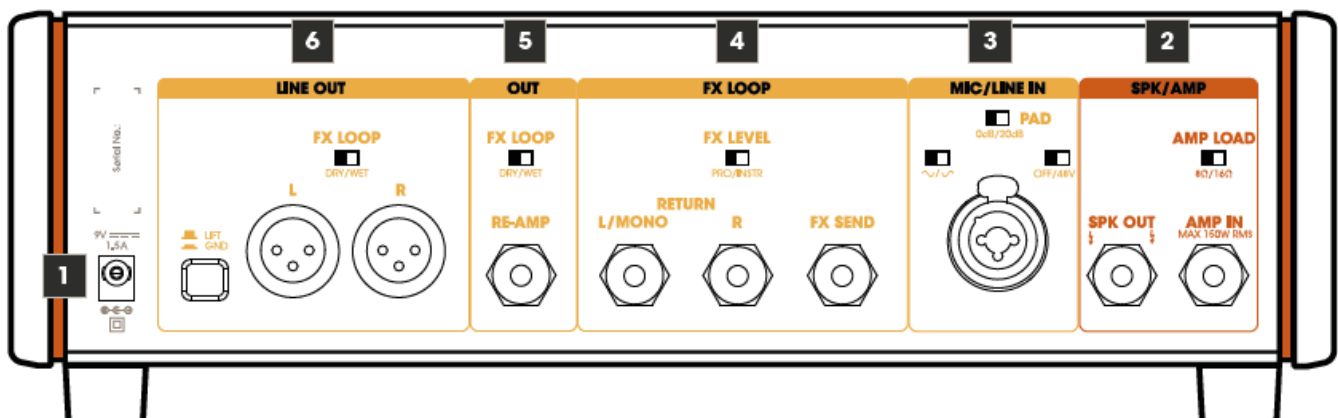
And that's just the beginning. As you get to know your Supreme Soaker better, you will discover many ways in which it can become an indispensable tool for your creative musical work. Thanks to its unparalleled sound, versatile connectivity and ease of use, the Supreme Soaker will become the central component of your rig from now on – trust us, your family, your neighbours and your audience will thank you for it!

For us – the Palmer team – this is the culmination of a long-term goal, the realisation of a decades-long dream in terms of sound. We have been the industry leader in analogue sound solutions for musicians and sound engineers for over 40 years and with the Supreme Soaker, you have direct access to our decades of experience and expertise as designers, engineers and most importantly as fellow musicians. Have fun with your Supreme Soaker!

CONNECTIONS, OPERATING AND DISPLAY ELEMENTS

The connections and the controls and display elements are colour-coded for easier orientation:

- **Orange:** Signal path of the amplified signal from the amp to the speaker
- **Yellow:** Signal path that leads to the LINE OUT and RE-AMP OUT
- **Grey:** Signal path that leads to the headphone output (PHONES)



1. POWER INPUT

Low-voltage socket for supplying power to the device. To prevent damage to the device, please use only the original power supply (included) or one of the Palmer power supplies PWT06IEC and PWT12IEC.

2. SPK/AMP

• AMP IN

Amplifier input with a 6.3 mm jack socket. Use a high-quality speaker cable (min. 2 x 1.5 mm²) to connect the speaker output of a guitar amplifier to the amplifier input AMP IN. Caution when using guitar amplifiers with an output power of over 100 watts: Make sure that the ventilation openings of the housing are not covered and that the device receives sufficient air circulation. Monitor the heat development of the device regularly and keep a close eye on the "Burning Bus" LED (see section 13, Overheating warning!). If this LED lights up, stop playing and allow the device to cool down.

• AMP LOAD

Adjust the impedance required for your amplifier using the AMP LOAD switch before switching on the amplifier (8Ω/16Ω).

• SPK OUT

6.3 mm jack socket for connecting a guitar speaker. As the Supreme Soaker has internal load resistors, a guitar cabinet does not necessarily have to be connected to the SPK OUT speaker output. When using a guitar speaker, the impedance of the speaker should correspond to the impedance required for the amplifier. Use a high-quality speaker cable (min. 2 x 1.5 mm²) to connect the SPK OUT speaker output to the input of a guitar cabinet.

3. MIC/LINE IN

• Combo socket XLR / jack

Audio input for a microphone (also suitable for a line playback source).

- **XLR input:** Connect a suitable microphone using a microphone cable and pick up a guitar speaker. Set the volume ratio between the amp and microphone signals on the front panel (LINE OUT, BLEND, AMP <-> MIC).
- **TRS jack input (-20 dB):** Connect the line output of the amplifier using a line cable. Set the volume ratio between the amp and line signals on the front panel (LINE OUT, BLEND, AMP <-> MIC).

• PAD (Passive Attenuation Device)

The PAD circuit can be used to adjust the level range of the input stage to the level of the input signal. Distortion of the audio signal can thus be effectively avoided.

- **0dB:** No attenuation of the audio signal.
- **20dB:** Attenuation of the audio signal by 20 dB.



Select the 0dB position if the gain of the input signal can be adjusted using the GAIN control on the front of the device so that no distortion occurs in the signal and a sufficient signal level is achieved.

Select the 20dB setting if the lowest setting of the GAIN control on the front panel is not sufficient to avoid distortion in the signal (SGN/PK indicator LED lights up red continuously or flashes red at peak levels, PK = Peak).

• OFF/48V

48 V phantom power for use with a condenser microphone. Only switch on the phantom power after connecting the microphone (switch in position 48V) and switch it off again before disconnecting the microphone (switch in position OFF).

• POLARITY

When mixing the amplifier and microphone signals, inverting the polarity of the microphone signal can prevent unwanted cancellations (switch in position  = standard polarity, switch in position  = inverted polarity).

- **4. FX LOOP**

Serial loop-in path (unbalanced) for integrating an external effects unit (reverb, delay, etc.). Set the volume ratio between the direct and effect signals (dry / wet) on the effect device. NOTE: If only the send socket is used and the return sockets remain unused, the signal path is interrupted.

- **FX SEND**

6.3 mm jack socket for sending the signal to the external effects unit (FX SEND -> effects unit INPUT). Use a high-quality line cable with TS jack plugs.

- **RETURN L/MONO – R**

6.3 mm jack sockets for returning the effect signal (mono signal: effect unit OUTPUT -> RETURN L/MONO, stereo signal: effect unit OUTPUT L + R -> RETURN L + R). Use high-quality line cables with TS jack plugs.

- **FX LEVEL PRO/INSTR**

Switch for adjusting the send level. Recommendation: PRO level = for rack effects in the studio, INSTR level = for effect pedals. Select the appropriate setting for your effect device. Make sure that the input stage of the effect device is sufficiently driven but not overdriven.

4. FX LOOP

Serial loop-in path (unbalanced) for integrating an external effects unit (reverb, delay, etc.). Set the volume ratio between the direct and effect signals (dry / wet) on the effect device. NOTE: If only the send socket is used and the return sockets remain unused, the signal path is interrupted.

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6.3 mm jack socket for sending the signal to the external effects unit (FX SEND -> effects unit INPUT). Use a high-quality line cable with TS jack plugs.

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6.3 mm jack sockets for returning the effect signal (mono signal: effect unit OUTPUT -> RETURN L/MONO, stereo signal: effect unit OUTPUT L + R -> RETURN L + R). Use high-quality line cables with TS jack plugs.

- **FX LEVEL PRO/INSTR**

- Switch for adjusting the send level.
- Recommendation: PRO level = for rack effects in the studio, INSTR level = for effect pedals.
- Select the appropriate setting for your effect device. Make sure that the input stage of the effect device is sufficiently driven but not overdriven.

5. OUT

High-impedance output path (unbalanced) for driving a (second) guitar amplifier.

- **RE-AMP**

6.3 mm jack socket. Use a high-quality instrument cable with TS jack plugs to connect a guitar amplifier.

- **FX LOOP DRY/WET**

- **Switch in position DRY:** Outgoing signal without effect (No. 4. FX LOOP).
- **Switch in position WET:** Outgoing signal with effect (No. 4. FX LOOP).

6. LINE OUT

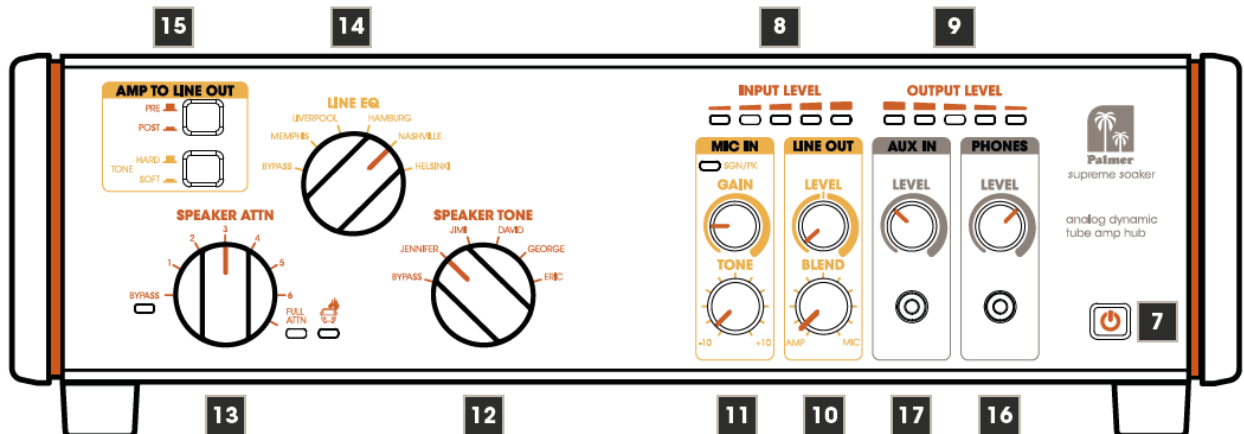
Balanced stereo line output with XLR sockets for the left and right channels L + R. Use the LINE OUT to connect a mixing console or audio interface, etc.

- **FX LOOP DRY/WET**

- **Switch in position DRY:** Outgoing signal without effect (No. 4. FX LOOP).
- **Switch in position WET:** Outgoing signal with effect (No. 4. FX LOOP).

- **LIFT/GROUND**

Switch for disconnecting the ground connection between the input and output (ground lift). In the non-pressed position, the ground connection is disconnected; the connection is established when the switch is pressed. The ability to prevent a humming loop using the ground lift switch depends on the grounding of the connected devices. It is therefore possible that either switch position effectively reduces or eliminates humming.



7. POWER

As soon as the Supreme Soaker is connected to the mains using the external power supply, the illuminated power symbol on the power button (standby) pulsates. Press the button to end standby mode and put the device into operation. To switch back to standby mode, press the power button again. When exiting standby mode, make sure that all LEDs on the front light up briefly! If one or more LEDs do not light up during start-up, this indicates a fault. Disconnect the device from the power supply and contact your sales partner!

8. INPUT LEVEL

5-segment LED display for the signal level at the AMP IN amplifier input.

9. OUTPUT LEVEL

5-segment LED display for the signal level at the loudspeaker output SPK OUT.

10. LINE OUT

- **LEVEL**

Volume control for the LINE OUT stereo output. TIP: When connecting a mixing console, audio interface or similar, select the centre position (0 dB) as the default setting and only increase or decrease the signal level if necessary (+/- 12 dB).

- **BLEND**

Controls the volume ratio between the AMP and MIC signals.

11. MIC IN

- **GAIN**

Adjusts the pre-amplification of the MIC/LINE IN audio input.

- **SGN/PK**

The two-colour LED indicates whether a signal is present at the MIC/LINE audio input (lights up amber) and whether the input stage is operating at the distortion limit or in the distortion range (flashes red or lights up red continuously). In this case, reduce the pre-amplification using the GAIN control and, if

necessary, activate the 20 dB PAD (rear of the device, see section 3 PAD).

- **TONE**

Tone control with hi-shelf filter. Boost (turn to the right) or attenuate (turn to the left) the high frequencies.

In the centre position, the audio signal is not processed.

12. **SPEAKER TONE**

6-way switch for setting the sound characteristics in the loudspeaker signal path (5 presets plus bypass).

13. **SPEAKER ATTN (Attenuation)**

- 8-way switch for gradual attenuation of the volume at the SPK OUT loudspeaker output. BYPASS (with indicator LED) = no attenuation.
- 1 – 6 = level 1 (slight attenuation) to level 6 (strong attenuation).
- FULL ATTN (with indicator LED) = maximum attenuation, SPK OUT loudspeaker output muted.

Overheating warning! If the warning symbol lights up red, the internal load resistors have overheated.

Ensure that the device is sufficiently ventilated and allow it to cool down before using it again!

Tip: Reduce the amplifier volume or feed more power to the external speaker (lower ATTN attenuation level).

14. **LINE EQ**

6-way switch for setting the sound characteristics for the LINE OUT line output (5 presets plus bypass).

15. **AMP TO LINE OUT**

- **PRE/POST**

Switch not pressed (position PRE): The audio signal for the LINE OUT line output is tapped BEFORE the SPEAKER TONE filter.

Switch pressed (position POST): The audio signal for the LINE OUT line output is tapped BEHIND the SPEAKER TONE filter.

- **TONE HARD/SOFT**

- Switch not pressed (position HARD).
- Recommendation: Use this setting with a distorted guitar signal.
- Switch pressed (position SOFT).
- Recommendation: Use this setting with a “clean” guitar signal.

16. **PHONES**

Stereo headphone output with a 3.5 mm jack socket for the sum signal (LINE OUT plus AUX IN).

- **LEVEL**

Volume control for the headphone output (turn to the left = quieter, turn to the right = louder).

CAUTION: The headphone output can produce high sound pressure levels (SPL) which can lead to hearing damage. Avoid exposure to high volumes!

17. **AUX IN**

Stereo line input with a 3.5 mm jack socket. The line input may be used to connect a playback device such as an MP3 player for play alongs, for example.

Note: The AUX IN line input signal is not output from the balanced LINE OUT line output.

- **LEVEL**

Volume control for the AUX IN input channel (turn to the left = quieter, turn to the right = louder).

NOTES

1. If the SPEAKER ATTN switch is set to BYPASS and no speaker is connected to the SPK OUT, a resistor is

automatically switched into the amplifier path to protect an amplifier connected to the AMP IN.

2. If the SPEAKER ATTN switch is set to BYPASS, no power measurement is possible in the INPUT LEVEL circuit. This means that no input signal level is displayed even though a signal is present at AMP IN.
3. If the SPEAKER ATTN switch is set to FULL ATTN, no power measurement is possible in the OUTPUT LEVEL circuit, as there is no signal at the SPK OUT loudspeaker output. Consequently, the OUTPUT LEVEL level indicator shows no signal in this case.
4. If the Supreme Soaker is in standby mode or disconnected from the power supply and no speaker is connected to the SPK OUT, a resistor is automatically switched into the amplifier path to protect an amplifier connected to the AMP IN.
5. If no speaker is connected to SPK OUT, set SPEAKER ATTN to FULL ATTN so that the exact impedance set using the AMP LOAD switch is available.
6. Never switch SPEAKER ATTN, SPEAKER TONE and AMP LOAD under load (while playing the guitar).
7. LINE OUT, RE-AMP OUT and PHONES can quickly distort at high frequencies if LINE EQ and SPEAKER TONE are set to BYPASS. Make sure that there is always at least one filter for the loudspeaker simulation in the signal path. In a classic setup with an amplifier and loudspeaker, high-frequency distortion cannot occur because a guitar loudspeaker cannot reproduce high frequencies at all.
8. If SPEAKER ATTN is set to FULL ATTN and a speaker is connected to the SPK OUT output, the impedance at the AMP IN amplifier input is always 32 ohms. To ensure that the exact impedance set using the AMP LOAD switch is available, disconnect the loudspeaker from the SPK OUT loudspeaker output.
9. The power measurement of the OUTPUT LEVEL circuit is only correct if the AMP LOAD setting and the impedance of the connected loudspeaker match.
10. If there is no signal at the LINE OUT line output, check these three settings and change them if necessary:
 1. **Front:** SPEAKER ATTN is set to FULL ATTN and AMP TO LINE OUT is set to POST.
 2. **Front:** BLEND of LINE OUT is fully set to MIC and no microphone is connected or 48V phantom power is switched off, but is required for the connected microphone.
 3. **Rear:** SEND of FX LOOP is plugged in, but RETURN is not and FX LOOP of LINE OUT is set to WET (open serial FX loop).

CARE, MAINTENANCE AND REPAIR

In order to ensure the long-term, proper functioning of the device, it must be regularly cleaned and, if necessary, serviced. The maintenance requirement depends on the intensity of use and the environment in which it is used. We recommend a visual inspection before each operation. Furthermore, we recommend carrying out all the applicable maintenance measures specified below once every 500 operating hours or, in the case of a lower intensity of use, at the latest after one year. Warranty claims may be limited should defects result from inadequate service and maintenance.

WARNING! Before carrying out any care or maintenance, the power supply – and, if possible, all device connections – must be disconnected.

PLEASE NOTE! Improper care can lead to impairment of the device or even its destruction.

1. Housing surfaces must be cleaned with a clean, damp cloth. Make sure that no moisture can penetrate the device.
2. Air inlets and outlets must be regularly cleaned of dust and dirt. If compressed air is used, make sure that damage to the device is prevented (e.g. fans must be blocked in this case).

3. Cables and connectors must be cleaned regularly and dust and dirt must be removed.
4. In general, no cleaning or disinfection agents or abrasive agents may be used, as they may damage the surface finish. Solvents in particular, such as alcohol, can impair the function of housing seals.
5. Devices must generally be stored dry and protected from dust and dirt.

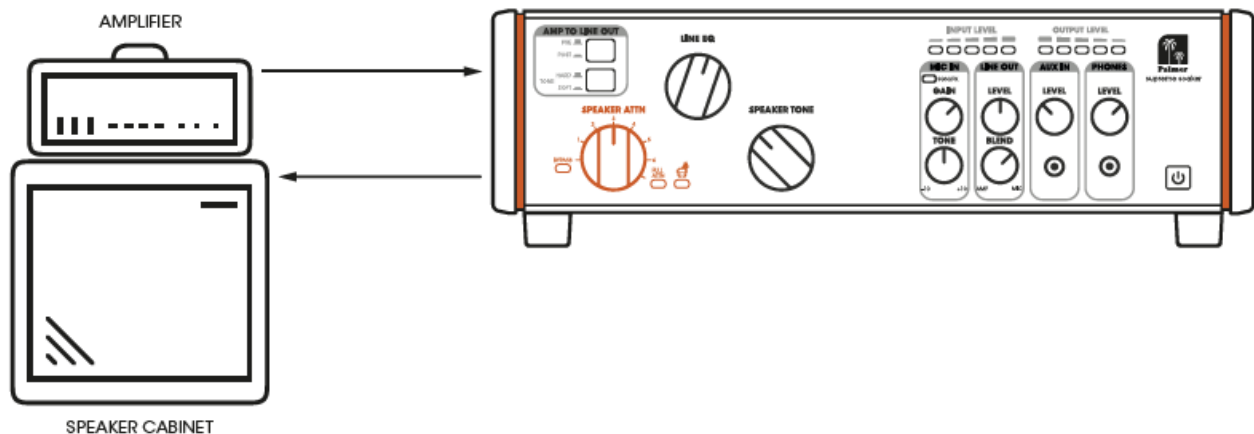
MAINTENANCE AND REPAIR (qualified personnel only)

- DANGER! There are live components in the device. Even after disconnecting the mains connection, there may still be residual voltage in the device, for example, due to charged capacitors.
- PLEASE NOTE! There are no user-serviceable assemblies in the device.
- PLEASE NOTE! Maintenance and repair work may only be carried out by qualified specialist personnel authorised by the manufacturer. If in doubt, consult the manufacturer.
- PLEASE NOTE! Improperly performed maintenance work may affect warranty claims.

WIRING EXAMPLES

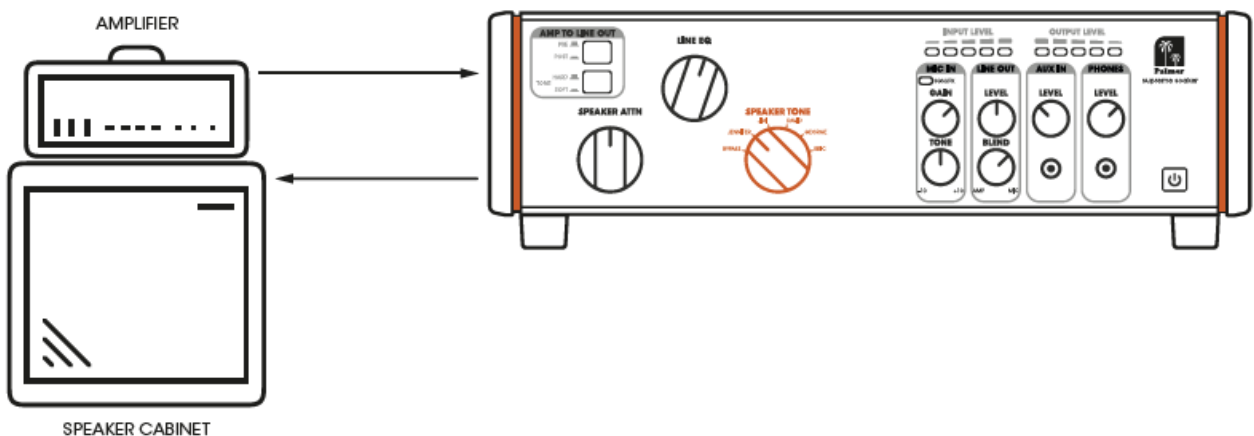
POWER REDUCTION

Reduce the power output from the tube amplifier to the loudspeaker to play the amplifier in the range where it sounds best without losing dynamics. For silent operation, set to FULL ATTN. The Supreme Soaker delivers a continuous load to your amplifier at every attenuation level – even without attenuation (power reduction).



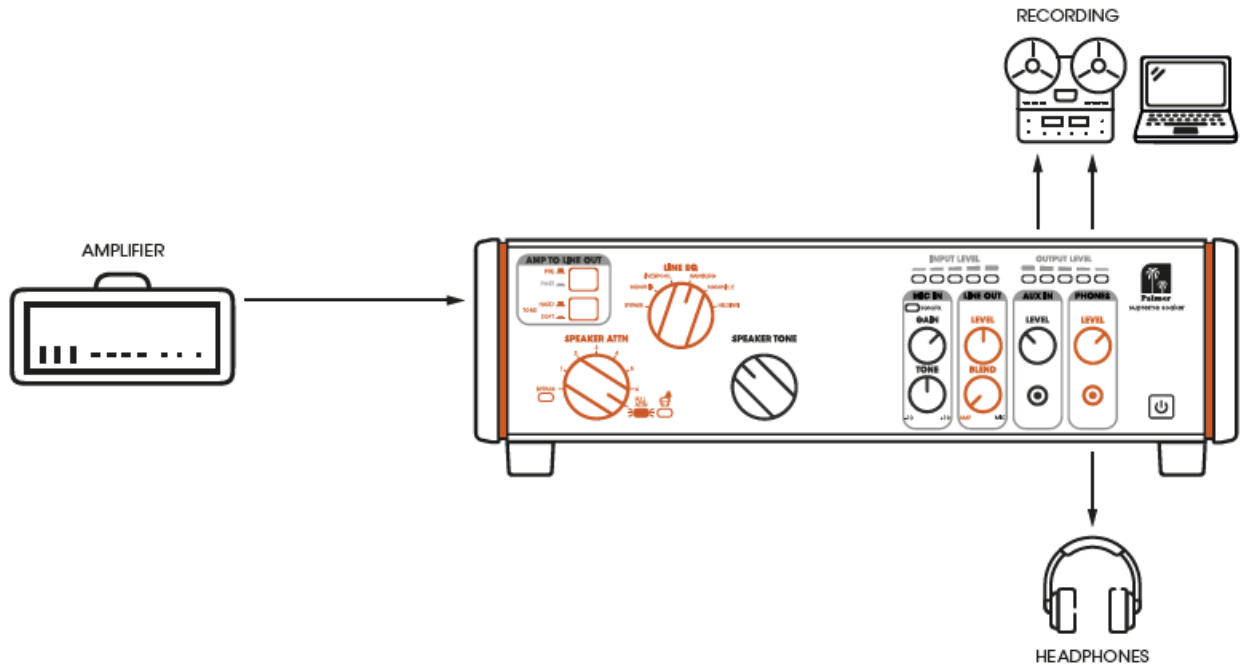
CHANGE SPEAKER TONE

Amplifiers and speakers interact. SPEAKER TONE changes the impedance curve that your amplifier “sees” and thus gives your loudspeaker different sound variations.



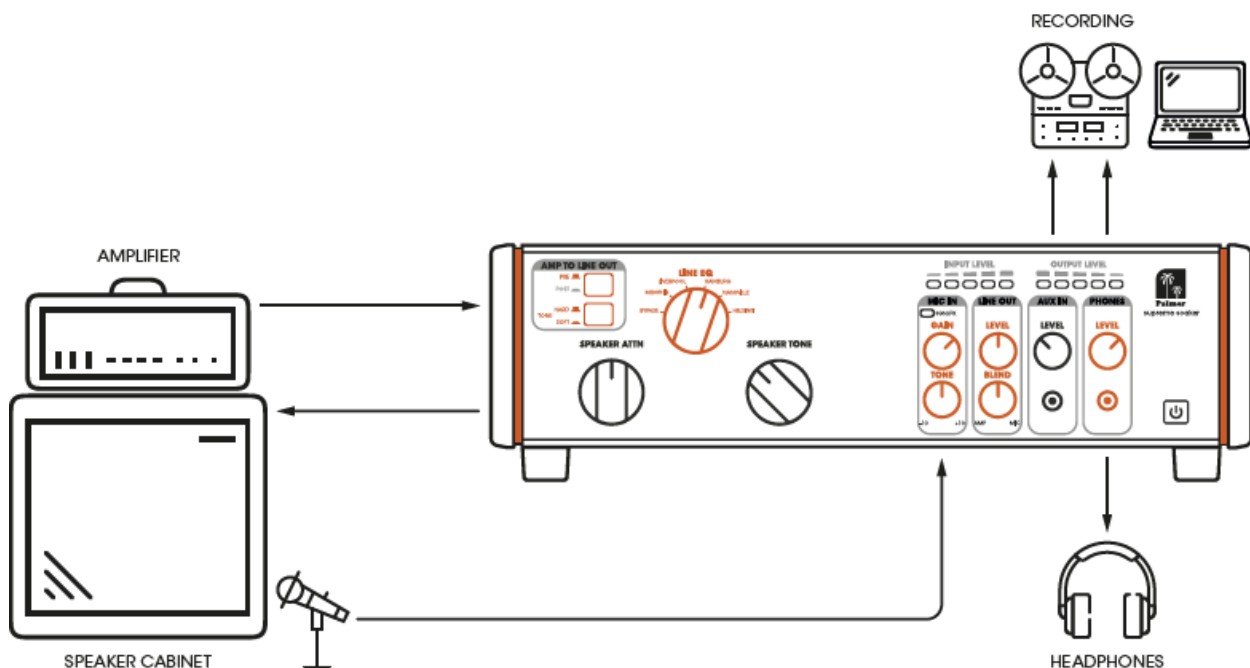
SPEAKER SIMULATION (LINEEQ)

Activate an analogue LINE EQ – also known as speaker simulation – at the balanced line outputs and the headphone output. The LINE EQ works both at full power reduction and at all other reduction levels. If you bypass it (BYPASS), you will hear the dry signal from your amplifier. You can use the Tone button to apply a “harder” or “softer” LINE EQ curve: HARD for distorted sounds and SOFT for clean sounds. Attention: The signal will not pass through to the LINE OUT and PHONES, if the PRE/POST switch is set to POST and you have selected FULL ATTN.



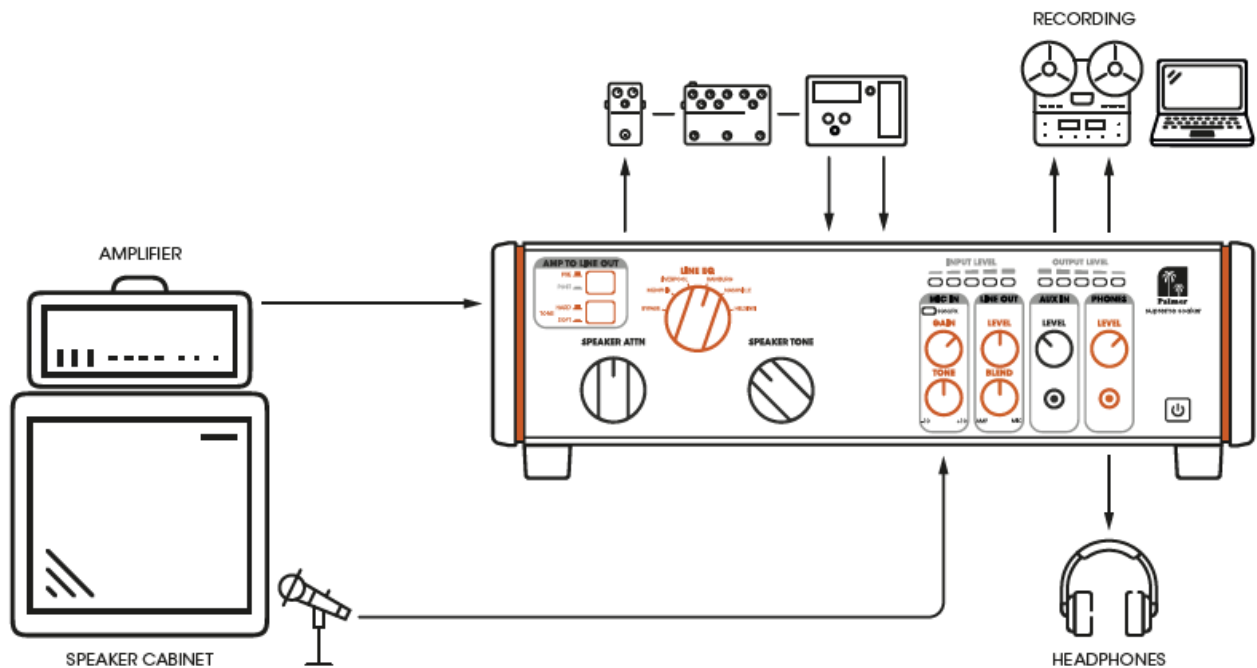
MIC/LINE INPUT

Mic your guitar speaker and feed the signal to the Supreme Soaker. The TONE control applies a high-shelf EQ of +/- 100 dB to the microphone or line signal. A phantom power switch for operating condenser microphones and a polarity switch are located on the rear of the device. You can use the GAIN control to adjust the pre-amplification of the input. You can use the BLEND control to adjust the volume ratio between the microphone signal and speaker simulation (LINE EQ).



INSERT YOUR STEREO EFFECTS

Insert your favourite effect pedals into the serial FX LOOP. The effects inserted into the effects loop are looped in behind the LINE EQ (speaker simulation) and the MIC/LINE IN. You can set it to instrument or pro level (PRO/INST) using a switch on the back.



JAMMING TO YOUR MUSIC

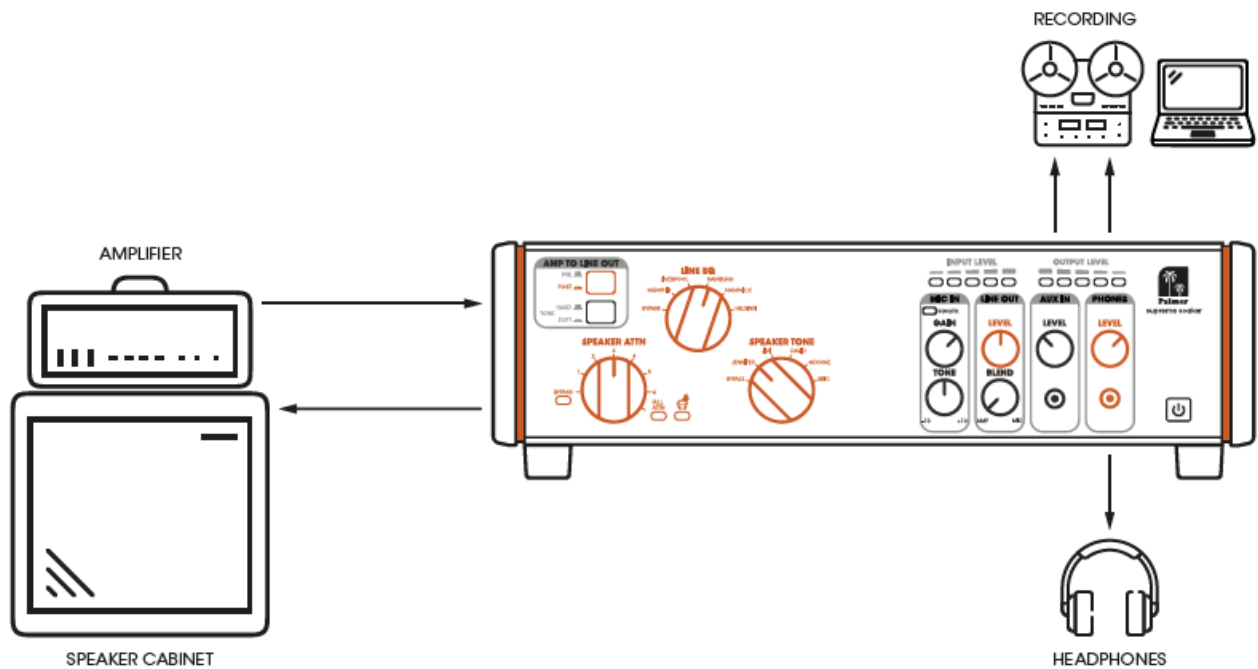
Play your music (backing track, click track, monitor mix) via the AUX IN and jam along with your favourite amplifier sound.

Note: The input signal of the aux track is not forwarded to the line output (LINE OUT), but only to the headphone output (PHONES)

ADD THE SPEAKER TONE TO THE LINE OR HEADPHONE OUTPUT

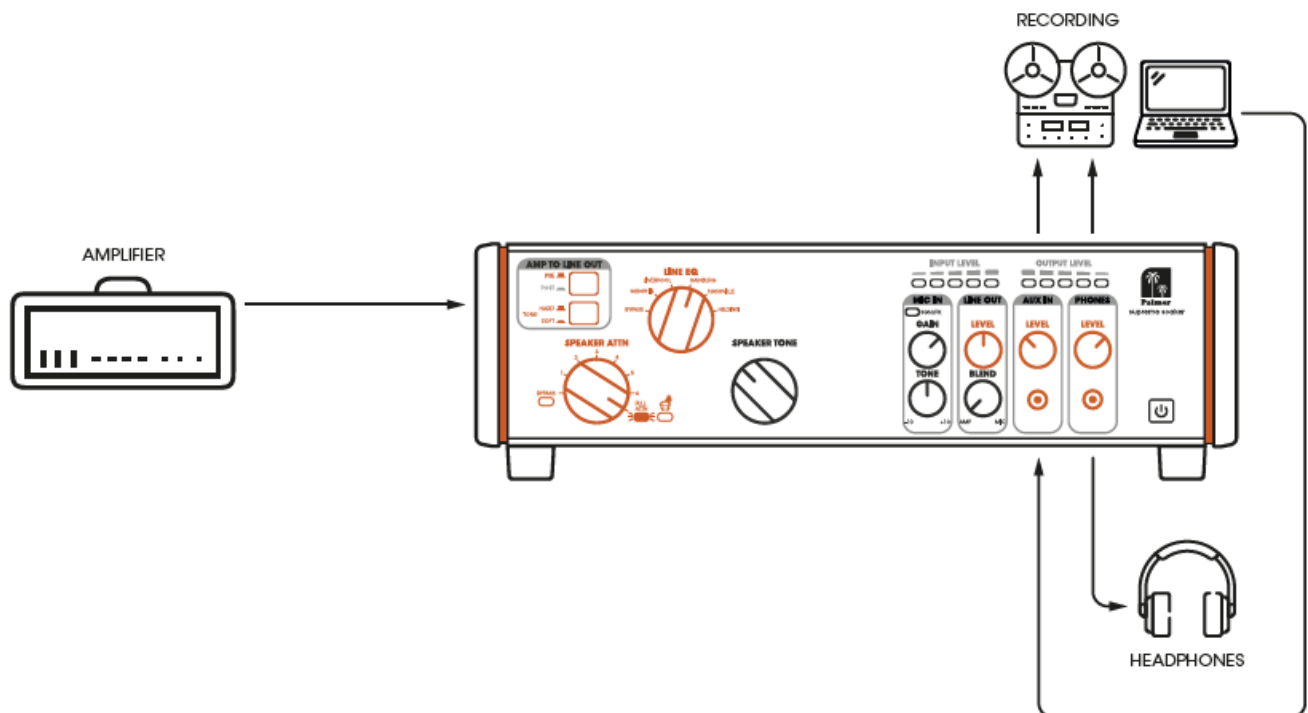
For even more sound variations, you can activate the POST button and try out different combinations with your LINE EQ and SPEAKER TONE settings.

1. **Note 1:** All of this happens before the FX loop.
2. **Note 2:** When the POST button is activated and FULL ATTN is activated, no signal is output from the LINE OUT or PHONES.

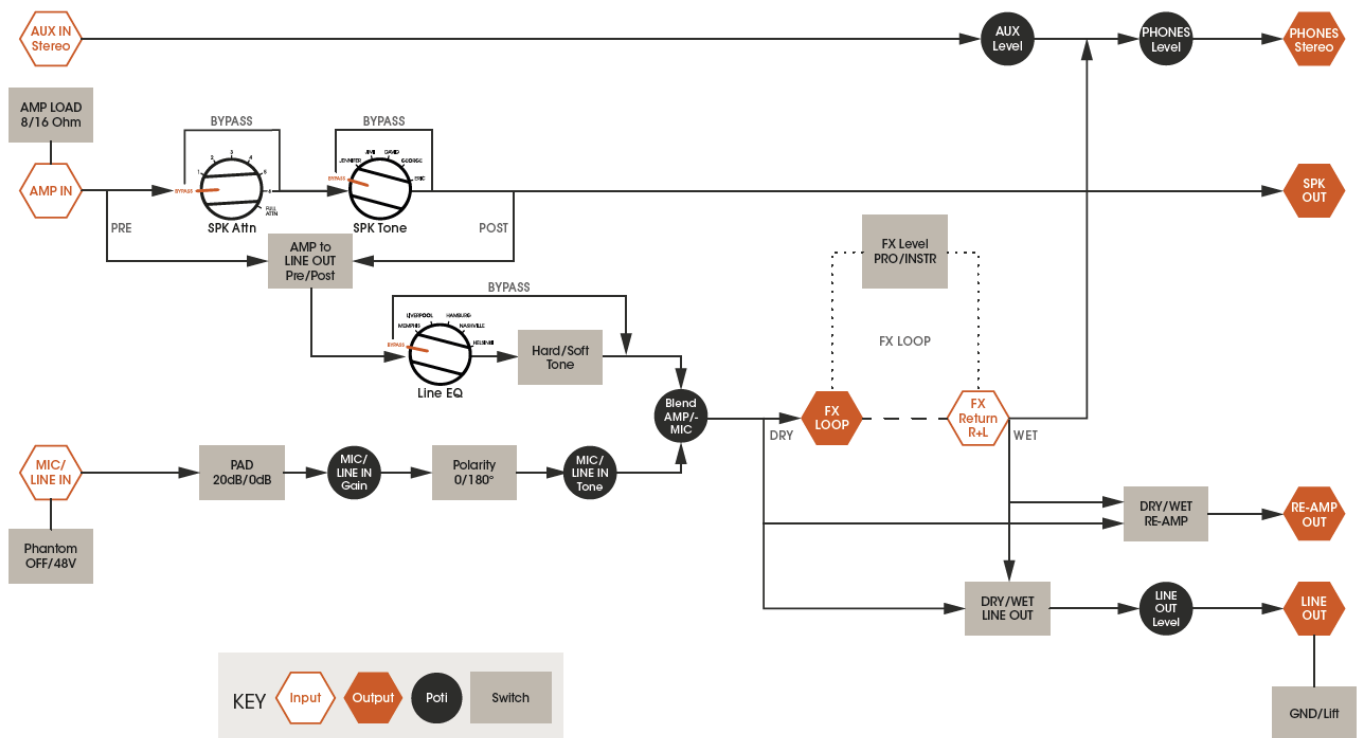


ZERO-LATENCY RECORDING / MONITORING SET-UP

The perfect recording setup for your amplifier with zero latency. Feed the sound from your Supreme Soaker into the recording system and from the recording system back into the AUX IN of your Supreme Soaker. Make sure that you mute the activated track (your guitar track) to hear the sound from your Supreme Soaker. This allows you to monitor your guitar sound with zero latency along with the backing tracks from your recording system.



SIGNAL FLOW DIAGRAM



TECHNICAL SPECIFICATIONS

Here's a table based on the provided information:

Category	Specification
Product Type	Attenuator, Loadbox, DI-Box, Speaker-Simulator, Microphone Preamp, Headphone Amplifier, Re-Amping Device
Signal Processing	Analog
Front Panel Controls	7-Step Power Reduction, Line EQ (5 voicings), Speaker Tone (5 voicings), MIC Gain, MIC Tone, Line Out Level, Line Out Blend, Aux In Level, Phone Level, Pre/Post Switch, Hard/Soft Tone Selector
Rear Panel Controls	FX Level (Pro/Instrument), FX Loop Line Out, FX Loop Re-Amp, GND/Lift, MIC/LINE Input PAD, Phantom Power, Polarity, Amp Load Impedance Switch
Number of Inputs	5
Input Types	Balanced, Unbalanced
Input Connectors	3.5mm Jack, 6.3mm Jack, XLR
Number of Outputs	6
Output Types	Balanced, Unbalanced
Output Connectors	3.5mm Jack, 6.3mm Jack, XLR

Category	Specification
Ground/Lift Switch	Yes
Transformer Isolated Outputs	Yes
Internal Load Impedance	16 Ohms, 8 Ohms
Min. Load When Off	16 Ohms
Max. Input Power	150 W peak, 100 W RMS
Power Reduction	7-Step
Voicing Filter	5-Step Speaker Tone, 5-Step Line EQ
Display Elements	Output Level, Bypass, Power Reduction, Input Level, MIC Signal/Clip, Overheating, Full Power Reduction
Power Supply	+9 V DC Barrel Connector, 1.5 A
The polarity of Power Supply	Center Pin Negative
Power Consumption	Max: 13.5 W, Standby: 0.3 W
Dimensions (W x H x D)	334 x 108 x 274 mm
Weight	6.6 kg
Operating Temperature	-20°C to 25°C
Relative Humidity	< 80% (non-condensing)
Included Accessories	Power Supply

Audio Specifications

Input	Specification
Aux In Max Input Level	+9 dBV
Amp In Max Input Power	150 W peak, 100 W RMS
Line Out Max Output Level	+18 dBu
Re-Amp Max Output Level	+1.5 dBV
Phones Out Max Output Level	1.4 V RMS
Phones Out Minimum Impedance	33 Ohms
MIC/LINE Input Lower Cutoff	90 Hz
MIC IN Max Gain	58 dB
MIC/LINE IN Gain Range	0 – 25 dB
MIC IN (XLR) Max Input Level	+1 dBu
LINE IN (TRS) Max Input Level	+22 dBu
MIC IN to Line Out THD+N (1kHz, +4dBu)	< 0.006%
MIC IN to Line Out THD+N (20Hz-20kHz, +4dBu)	< 0.04%
MIC IN to Line Out EIN (Max Gain, Unweighted)	-114 dBu
MIC IN to Line Out SNR (Bypass Mode)	105 dB
MIC/LINE IN PAD Attenuation	20 dB
MIC IN (XLR) Input Impedance (Balanced)	1,500 Ohms
LINE IN (TRS) Input Impedance (Balanced)	24,000 Ohms

CORRECT DISPOSAL OF THIS PRODUCT

PACKAGING:

1. Packaging can be fed into the reusable material cycle using the usual disposal methods.
2. Please separate the packaging in accordance with disposal laws and recycling regulations in Byour country.

DEVICE:

1. This device is subject to the European Waste Electrical and Electronic Equipment Directive in the currently valid version. WEEE Waste Electrical and Electronic Equipment Directive. Old appliances do not belong in household waste. The old device must be disposed of via an approved disposal company or a municipal disposal facility. Please observe the applicable regulations in your country!
2. Observe all disposal laws applicable in your country.
3. As a private customer, you can obtain information on environmentally friendly disposal options from the seller of the product or the appropriate regional authorities.

BATTERIES:

1. Batteries should not be disposed of in household waste. Batteries and rechargeable batteries must be disposed of via an approved disposal company or a municipal disposal facility.
2. Observe all disposal laws applicable in your country.
3. As a private customer, you can obtain information on environmentally friendly disposal options from the seller of the product or through the relevant regional authorities.
4. Devices with batteries that cannot be removed by the user must be taken to a collection point for electrical appliances.

MANUFACTURER'S DECLARATIONS

Herstellergarantie und Haftungsbeschränkung Manufacturer's warranty & limitation of liability Adam Hall GmbH

- Adam-Hall-Str. 1 61627 Neu-Anspach, Germany
- **Email:** Info@adamhall.com /
- +49 (0)6081 / 9419-0.

Our current warranty conditions and limitation of liability can be found at: cdn-shop.adamhall.com/media/pdf/Manufacturers-Declarations-PALMER_DE_EN_ES_FR.pdf Contact your distribution partner for service.

CE CONFORMITY

Adam Hall GmbH hereby confirm that this product meets the following guidelines (where applicable):

- Low-Voltage Directive (2014/35/EU)
- EMC Directive (2014/30/EU)
- RoHS (2011/65/EU)
- RED (2014/53/EU)

CE DECLARATION OF CONFORMITY

- Declarations of conformity for products that are subject to the LVD, EMC, RoHS Directives, can be requested at info@adamhall.com.
- Declarations of conformity for products that are subject to the RED Directive can be downloaded at www.adamhall.com/compliance/

FCC STATEMENT

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

UKCA- Conformity

Hereby, Adam Hall Ltd. declares that this product meets the following guidelines (where applicable) Electrical Equipment (Safety) Regulations 2016 Electromagnetic Compatibility Regulations 2016 (SI 2016/1091). The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulation 2012 (SI 2012/3032) Radio Equipment Regulations 2017 (SI 2016/2015) Adam Hall Ltd. | The Seedbed Bus. Centre | SS3 9QY Essex | UK

UKCA- DECLARATION OF CONFORMITY

- Products that are subject to Electrical Equipment (Safety) Regulation 2016, EMC Regulation 2016 or RoHS Regulation can be requested at info@adamhall.com
- Products that are subject to the Radio Equipments Regulations 2017 (SI2017/1206) can be downloaded from www.adamhall.com/compliance/

Subject to misprints and errors, as well as technical or other modifications!

FAQ


Q: How do I reset the device?

A: To reset the device, simply power it off, wait for a few seconds, and then power it back on.

Q: Can I use this product with headphones?

A: No, this product is designed for use with speakers and not headphones.

Documents / Resources

	<p>Palmer Analog Dynamic Tube Amp Hub [pdf] User Manual</p> <p>Analog Dynamic Tube Amp Hub, Dynamic Tube Amp Hub, Tube Amp Hub, Amp Hub, Hub</p>
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References

- [📄 Downloads | Service | Adam Hall Shop](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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