



# Audio Press Box<sup>®</sup>

## APB-116P

Press Conference Audio Distribution Amplifier

Owner's manual



## APB-116 P

Dear customer,

Thank you for purchasing Audio Press Box® APB-116 P, the most sophisticated portable distribution amplifier. Signal from one lectern's microphone or line input (i.e. mixing console) is distributed to independent microphone/line outputs used by multiple journalists, TV Camera operators, audio recorders and reporters at the same time. No more hassle with the multiple microphones on the table or disturbing late-coming reporters. With Audio Press Box® you are set in a minute with providing the perfect signal to every reporter!

### Unpacking your Audio Press Box®

Your Audio Press Box® comes to you packaged in the transfer box with the filling material in used to avoid any damage caused by transport.

In the package, you should find:

- 1) Power supply with mains cable
- 2) Audio Press Box®
- 3) This manual

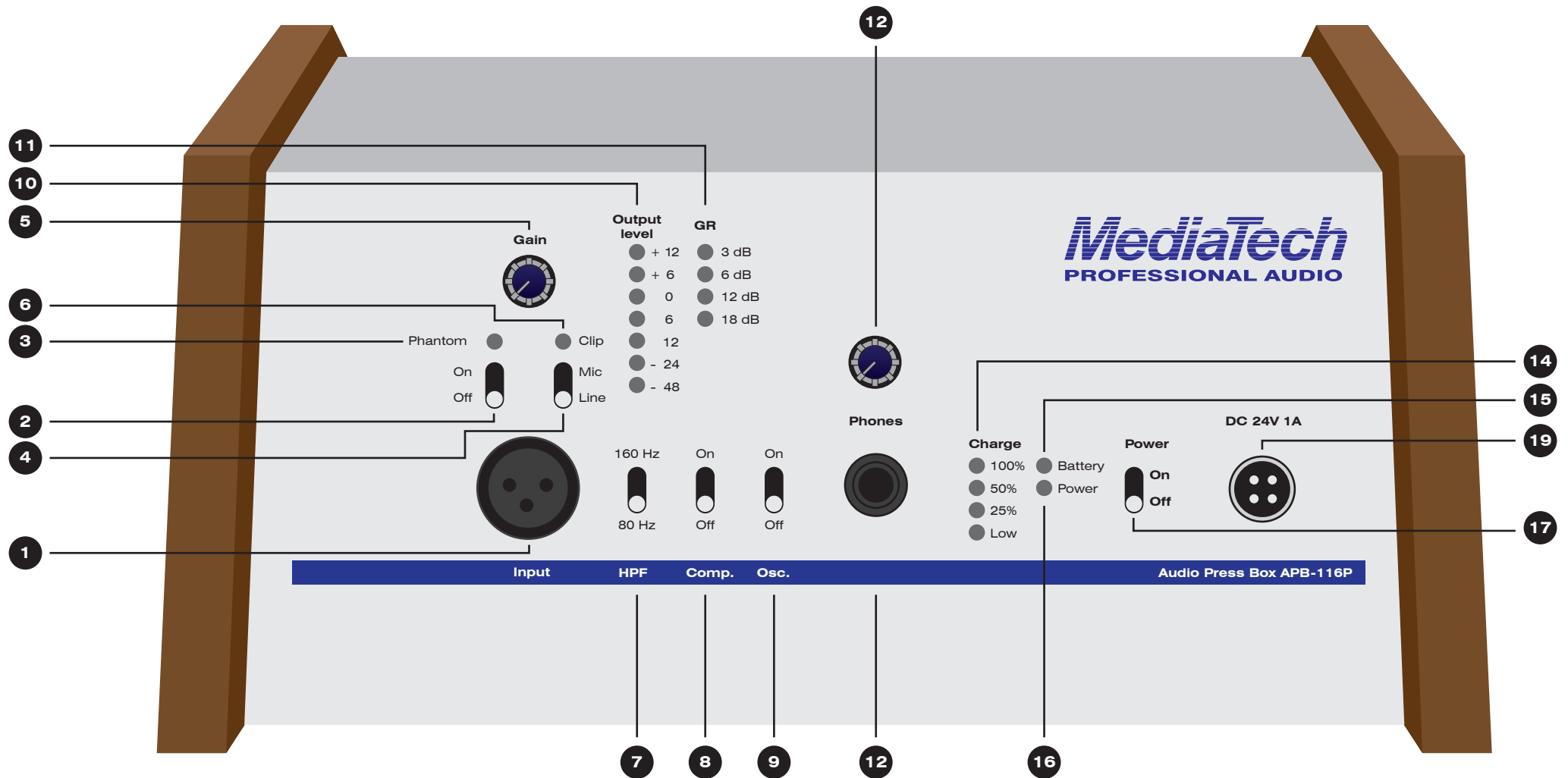
Please be careful while unpacking all the components from original packaging.

### Using your Audio Press Box®

Using every Audio Press Box® model is simple and it can be presented in 3 simple steps:

- 1) **Plug** your microphone in
- 2) **Set** your levels
- 3) **Start** using your Audio Press Box® by providing perfectly processed signal to every recipient, who connects his device into the output section.

# APB-116P - Front panel (Input section)



## Front panel (Input section)

### 1. Input XLR microphone/line connector

Input your microphone or line-level source into this XLR balanced connector. You can connect any type of condenser either dynamic microphone here.

### 2. Phantom power switch

If you are about to use condenser microphone, turn Phantom power switch ON to feed your microphone with 24/48V. If you are using dynamic microphone or microphone with his own power, you can switch this OFF.

### 3. Phantom power indicator

If the Phantom power is on, this is indicated with solid red light.

### 4. Mic/Line input switch

If you are using microphone as an input, this switch should be set to “Mic” position. If you are using input from the mixing console or CD player, please set this switch to “Line” position.

### 5. Input gain level knob

After connecting your microphone, you can set the input level to reach perfect understanding of lectern’s speech.

### 6. Input peak clip indicator

If the input level is set too high, this indicates a possibility of distorted input signal. When this red light continuously lights, please lower your input level by adjusting Input gain level knob until the indicator stops to light.

### 7. High-Pass Filter switch

This switch helps to avoid distributing low-end

rumble like a microphone handling noise or pops. You have 2 possible low-cut frequencies – 80Hz and 160Hz. The one you choose depends on the sound, you want to filter out. You can check the result with your headphones plugged in.

### 8. Compressor/Limiter operation switch

To provide perfect output signal without clipping or distortion, you can switch the Comp switch ON. If you switch this OFF, signal in output could contain signal clipping or distortion.

### 9. Test signal oscillator operation switch

To test signal level, which is coming to the outputs, you can switch this Test 1kHz sine signal oscillator on. After recipients set the levels in their recording devices, you should switch this function OFF. When compressor switch is set to ON, output signal level won’t exceed this maximum output level.

### 10. Output level indicator bar

You can visually monitor the level of output signal in 7-segment output indicator bar.

### 11. Gain Reduction indicator bar

If Comp switch is set to ON, you can visually monitor the level of Gain reduction on this 4-segment indicator bar.

### 12. Headphones output connector

If you want to monitor the output by your headphones, you can plug them to this connector (6.3 TRS/Jack stereo connector).

### 13. Headphones output level knob

If you have your headphones plugged in, you can adjust the level of monitoring the output by turning this knob to set your comfort hearing level. Please be

careful when setting the levels, too high monitoring volumes can damage your hearing ability!

**14. Rechargeable battery charging status indicator bar** (\*functional with optional rechargeable battery pack BP 2000 installed)

If the battery pack is installed inside the Audio Press Box®, you can see the charge levels on this indicator. When two lights are on together, this means, the charge level is somewhere between these two values (when 100% and 50% are on, this means that charge level is somewhere about 75%).

### 15. Battery operation indicator

If Audio Press Box® runs on batteries, this indicator lights up.

### 16. Power ON indicator

When Audio Press Box® is turned on, this indicator lights up.

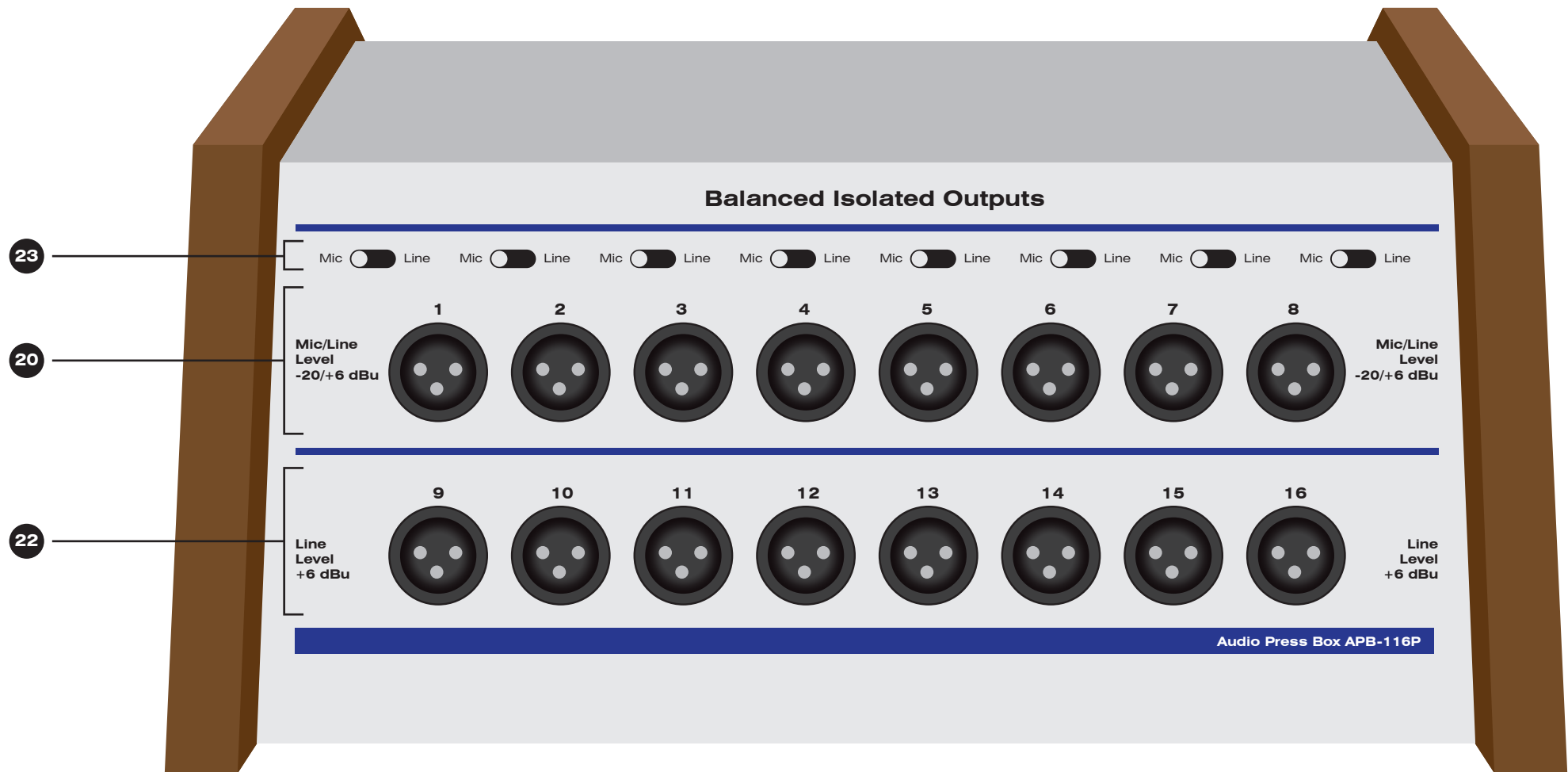
### 17. Power switch

With the power switch, you can turn your Audio Press Box® ON or OFF.

### 19. Power supply connector

Plug the power supply to Audio Press Box® here. If you have a model with built-in rechargeable battery, you can recharge your Audio Press Box® connecting the device to the mains and then you can run up to 12 hours without need of electricity.

# APB-116P - Rear panel (Output section)



## 20. Mic/Line Outputs 1-8

Mic/Line level output XLR connectors – You can plug your recording device here. Every output is individually transformer isolated, so recipients get the perfect signal without any distortion coming from un/plugging others.

## 22. Line Outputs 9-16

Line-Out outputs with line level +6 dBu

## 23. Mic/Line level select switch

You can set if you want to get Mic (-20 dBu) or Line (+6 dBu) level from individual output.

### **Get your Audio Press Box® operational:**

1. In case you are not running on rechargeable batteries, plug your power supply to the Audio Press Box® and plug it to mains.
2. Turn Audio Press Box® on (by switching Power switch (17) ON).
3. Plug your microphone into input XLR connector (1).
4. If you are using condenser microphone, switch Phantom power switch (2) ON.
5. Switch Comp (8) ON
6. Speak to the microphone and adjust the Input gain (5) level to get visual confirmation on output signal level indicator (10) as you speak, this indicator will light up continuously.
7. If you want to hear your output signal, plug your headphones (with 6.3mm TRS connector) to headphone connector (12) and adjust monitoring level (13) to listen to the output.
8. Recipients can plug their recording devices to outputs.
9. You are ready to go!