

OWNER'S MANUAL



ACTIVE MONITOR PEAK6 (V)



FUNDAMENTAL ACOUSTIC RESEARCH

Thank you for choosing the FAR PEAK6 (V) active two way monitor.

In order to obtain the best performance from this active monitor, please be sure to read this owner's manual and use your speaker only in accordance with its instruction.

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PEAK6 (V)

Applications

Video and film post production

Music industry

Radio stations

OBY VAN

All near field and close field applications

Thank you for choosing a FAR active monitor. This unit is an exceptional product that will give you years of superb performance.

Do Not Open The Cabinet.

Do not attempt to service this unit. Tampering with internal components can cause fire or shock, and may void your guarantee. If water or small objects enter the unit, unplug the power cord immediately and consult an authorized FAR dealer. Using the unit under such condition may cause a fire or shock hazard.

Installation

Mains

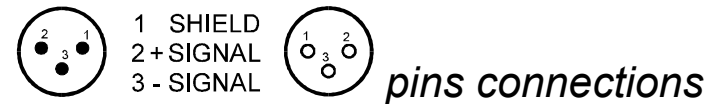
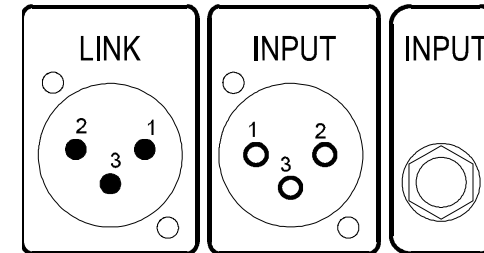
Attach the plug to the IEC socket. And connect it to the mains.

A green LED on front face indicates when the power is switched on.

Signal

The input signal is available in XRL or Jack plugs, both are electronically symmetric inputs.

The link functions the same as both of the inputs. Use the link to connect one speaker to another



- Maximum length of the link cables
 - symmetric :15 meters
 - asymmetric : 8 meters
- Maximum linked PEAK6 (V) 's : 4



TECHNICAL DESCRIPTION

PEAK6 (V)

| Sensitivity | dB SPL |
|---|--------|
| Maximum pressure level (2 cabinets @ 1 m) | 114 |

| Frequency Range | Hz |
|-----------------|----------|
| ± 3 dB | 50-22000 |

Low pass section

Crossover frequency

3500 Hz 24 dB/Octave

High pass section

Crossover frequency

3500 Hz 6 dB/Octave

Bandpass filter

20-20000 Hz 6 dB/Octave

Limiter

(on/off) +2dB

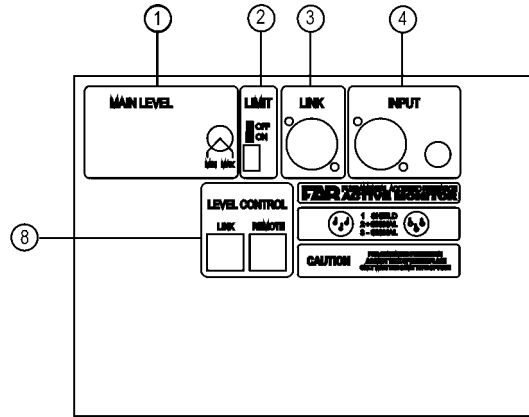
| Components | |
|-------------------|----------------|
| Woofer | 18 cm / 7 inch |
| Tweeter soft dome | 1 inch |



| | | |
|---------------------------------|-----------|--------|
| Listening position | cm | 50-120 |
| Amplifier Specifications | | |
| Power (PEAK) | W | |
| Power | | 150 |
| Power (NOMINAL) | W | |
| Power @ 4 Ohm | | 100 |

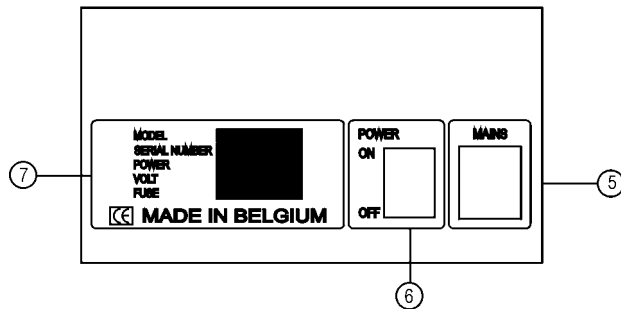
| | | |
|----------------------------|-----------|---------------|
| Characteristics | | |
| Power bandwidth | | 20 - 25000 Hz |
| Slew rate | | 35 V/ μ s |
| SN ratio | | > 100 dB |
| Distortion | | |
| Intermodulation | | 0,01% |
| Total | | 0,05% |
| Input | | |
| Sensitivity | | 0 dB |
| Impedance | | > 10 kOhm |
| Connectors | | |
| Input (symmetric) | | XLR & Jack |
| Link | | XLR |
| Remote | | RJ-45 |
| External dimensions | mm | |
| Height | | 400 |
| Width | | 270 |
| Depth | | 270 |
| Weight | kg | 12 |

TECHNICAL DRAWING



LEGEND

1. Main level tuning
2. Limitor function
3. Link
4. Input XLR
5. Mains
6. Power
7. Serial number
8. RCV connection



Limiter function

The PEAK6 (V) has a built in limiter developed to protect the drivers against harmful signals. The limiter acts directly on the input signal by decreasing it when it reaches the clipping level.

To activate the limiter turn it to the on or off position using the dip switch on the rear panel.

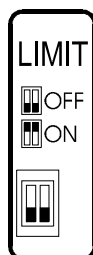


Figure 1: limiter switch

The overload LED indicates whether or not the limiter is in operation.

LED comes :

- Red when the limiter is not in use.
- Orange when the limiter is in use.

Rear panel level.

Adjust the sound level by turning the main level knob to the desired position.

The range of tuning is from 0 (maximum attenuation) to max (no attenuation).

Adjust the knob (Figure 2) to the necessary to attain a perfect stereo image.

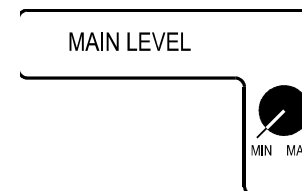


Figure 2 : main level control





TROUBLESHOOTING

This section is designed to trouble free technical operation. Most of the problems encountered by the users are due to operating mistakes .Please check this list first for a possible solution. If the problem persists, consult your local FAR distributor or EMAIL to : support@far-audio.com

Your problem s

Make sure that

| | |
|--|---|
| No light comes on when the power cord is plugged into AC outlet. | <ul style="list-style-type: none"> • The unit is plugged into a live outlet |
| No sound is heard | <ul style="list-style-type: none"> • That the level control at the rear is not turned to the minimum • That the remote control is plugged in the right way • That your audio connection is properly done • That the remote control is on –80 dB mute position |
| Sound is heard stronger from one side. | <ul style="list-style-type: none"> • That the remote control is not on one side only • That both level controls on the rear are correctly turned on the same position. |
| When listening to stereo the left and right sounds are reversed | <ul style="list-style-type: none"> • That left and right wires are connected the same way |
| When listening to surround (more than 12 surround both sides) the sound is less powerful | <ul style="list-style-type: none"> • That the link connection between each speaker is properly done • That you didn't connect more than six speakers on the link connector. |
| Too much low frequencies | <ul style="list-style-type: none"> • That the position of your speakers is not too close to the corners |
| Not enough low frequencies | <ul style="list-style-type: none"> • That your connections are not out of phase. |

OPTIONAL REMOTE CONTROL RCV

Innovation remains our most important consideration.

We have created a remote for distance volume control :
the RC-V.

In conjunction with the dedicated card the remote will
permit you to set the volume within 7 positions.

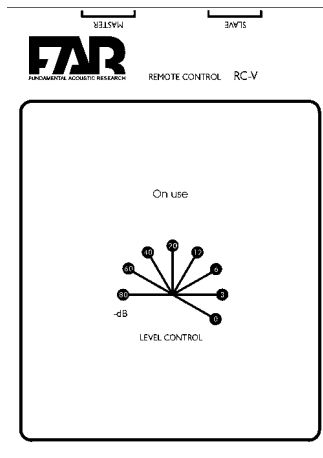


Figure 3 : volume control

Only available on PEAK6 (V) version.

This information is written at the rear of your
speaker close to the serial number.