

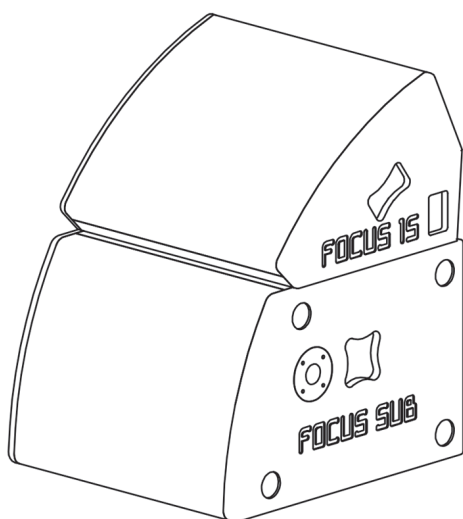
# Focus series

**Specifications & rigging guide**

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## SYSTEM APPLICATION



Coaxial line of low-profile stage monitors with no casual name – coaxial design of drivers provides perfect phase coherence and clear focused sound picture in front of performer. Vocal has never sounded so clearly and thoroughly before.

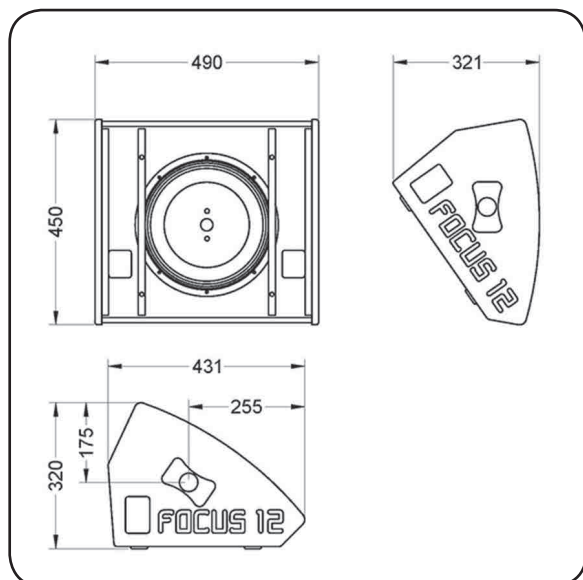
The series includes top-class monitors **Focus 12**, **Focus 15** and a **Focus Sub** subwoofer. Almost reference sound quality of the monitors even in passive crossover mode allows to use them as all-purpose systems, for which case a pole mount adapter is conveniently provided.

Special 15" subwoofer **FocusSub** boosts versatility of Focuses even more: it creates powerful monitor set for a drummer together with **Focus 15**; or can be used for DJ monitoring and even FOH purposes due to distance pole adapters. Besides ideal sound quality and reproduction purity, we have paid much attention to appearance and ease of use. Modern look, rigid grill backed with acoustic foam, light weight and stable design make **Focus** monitors comfortable and practical in small installations as well as in big concert tours.

**Neutrik speakON** connectors are placed on both side of cabinet, making it convenient to create monitor chains. Also, passive/bi-amp crossover switches are optionally available for **Focus 12** and **Focus 15** along with the speaker processor packed with factory presets.

# Focus 12

## Passive coaxial 12 inch stage monitor

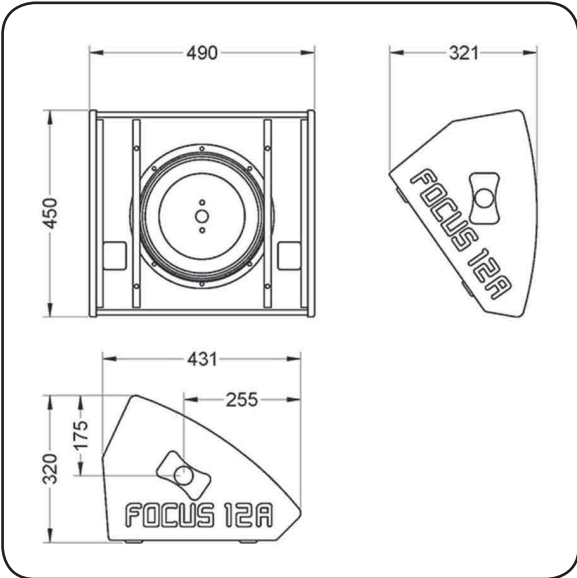
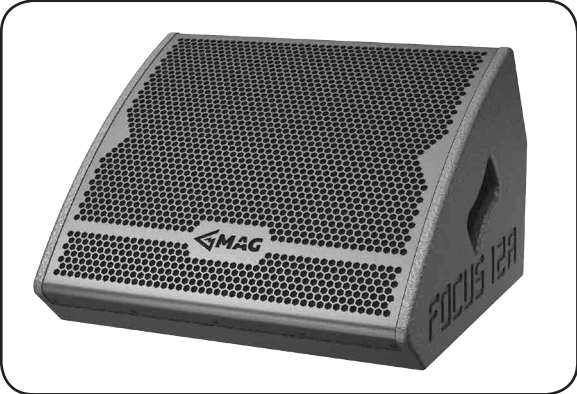


Focus 12 is a compact stage monitor, loaded with 12" cone / 3" VC coaxial driver, providing high sound pressure level and perfect intelligibility. Focus 12 is equipped with dual-action switchable bi-amp/passive crossover and Speakon inputs on each side for convenience of wiring and setup.

Type	Versatile passive stage monitor
Acoustical & Electrical data	
Frequency range (-10 dB)	70 - 20000 Hz
Max SPL (peak)	128,5 dB (calculated)
Sensitivity (1W/1m)	96,5 dB
Coaxial transducer	12", CX 12-2
Nominal coverage HxV	40° x 60° or 60° x 40° Rotating horn selectable
Impedance	8 Ohm
Nominal power	400 W
Program power	800 W
Peak power	1600 W
Connections and physical data	
Connectors	2x Neutrik Speakon
Dimensions (WxHxD)	490x320x431 mm
Net weight	18,5 kg
Shipping weight	21 kg
Mounting	Pole mount adapter U-Bracket flying mount (optional)
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, polymere protective net
Color	Black

# Focus 12A

## Powered coaxial 12 inch stage monitor



Focus 12A is a compact powered stage moitor, loaded with 12" cone / 3" VC coaxial driver, providing high sound pressure level and perfect intelligibility. Focus 12A is equipped with Powersoft® amplifier and DSP for even more versality and control over sound on the stage.

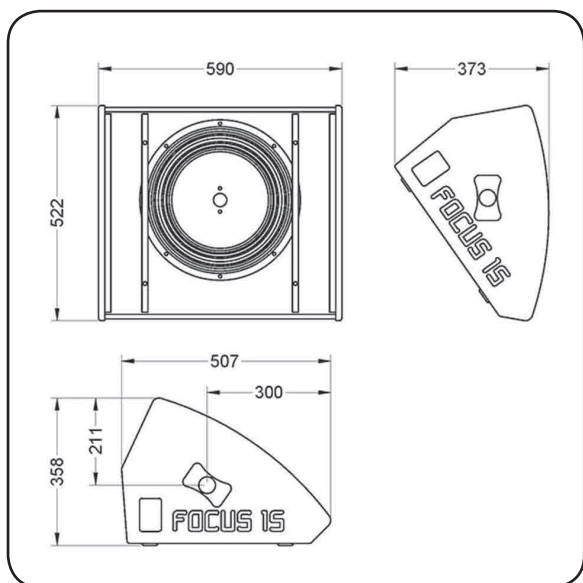
Type	Versatile powered stage monitor
Acoustical & Electrical data	
Frequency range (-10 dB)	70 - 18000 Hz
Max SPL (peak)	128,5 dB (calculated)
Coaxial Transducer	12", CX12-2
Nominal coverage HxV	40° x 60° or 60° x 40° Rotating horn selectable
Power	700 W
Amplifier	Class D Powersoft ® Convection cooling
Input sensitivity	+4 dBV
Settings	4 switchable presets
Connections and physical data	
Connectors	XLR in + XLR out
Dimensions (WxHxD)	490x320x431 mm
Net weight	20 kg
Shipping weight	22 kg
Mounting	Pole mount adapter U-Bracket flying mount (optional)
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, polymere protective net
Color	Black

# Focus 15

## Passive coaxial 15 inch stage monitor



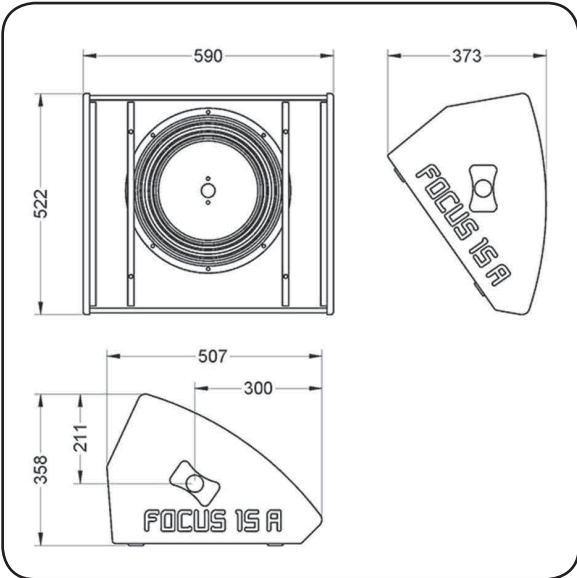
Focus 15 is a passive stage moitor, loaded with 15" cone / 3" VC coaxial driver, providing high sound pressure level and perfect intelligibility. Focus 15 is equipped with dual-action switchable bi-amp/passive crossover and Speakon inputs on each side for convenience of wiring and setup.



Type	Versatile passive stage monitor
Acoustical & Electrical data	
Frequency range (-10 dB)	60 – 19000 Hz
Max SPL (peak)	129 dB (calculated)
Sensitivity (1W/1m)	97 dB
Coaxial transducer	15", CX 15-2
Nominal coverage HxV	40° x 60° or 60° x 40° Rotating horn selectable
Impedance	8 Ohm
Nominal power	400 W
Program power	800 W
Peak power	1600 W
Connections and physical data	
Connectors	2x Neutrik Speakon
Dimensions (WxHxD)	590x358x507 mm
Net weight	21 kg
Shipping weight	22 kg
Mounting	Pole mount adapter U-Bracket flying mount (optional)
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, polymere protective net
Color	Black

# Focus 15A

## Powered coaxial 15 inch stage monitor



Focus 15A is a powered stage moitor, loaded with 15" cone / 3" VC coaxial driver, providing high sound pressure level and perfect intelligibility. Focus 15A is equipped with Powersoft® amplifier and DSP for even more versality and control over sound on the stage.

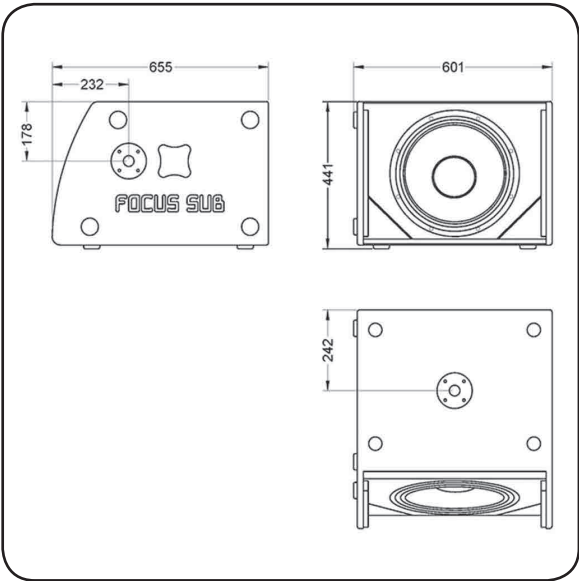
Type	Versatile powered stage monitor
Acoustical & Electrical data	
Frequency range (-10 dB)	60 – 18000 Hz
Max SPL (peak)	129 dB (calculated)
Coaxial Transducer	15", CX15-2
Nominal coverage HxV	40° x 60° or 60° x 40° Rotating horn selectable
Power	700 W
Amplifier	Class D Powersoft ® Convection cooling
Input sensitivity	+4 dBV
Settings	4 switchable presets
Connections and physical data	
Connectors	XLR in + XLR out
Dimensions (WxHxD)	590x358x507 mm
Net weight	22 kg
Shipping weight	24 kg
Mounting	Pole mount adapter U-Bracket flying mount (optional)
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, polymere protective net
Color	Black

# Focus Sub

## Passive 15 inch subwoofer



More versatility and wider application range are now possible with the introduction of Focus Sub. Designed specifically to reinforce Focus monitors for more punch and feel on the stage, Focus Sub features effective design, compact size and light weight.



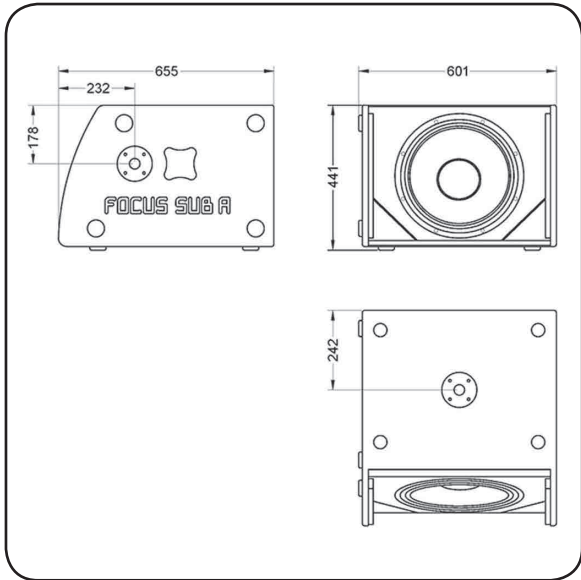
Type	Passive monitor subwoofer
Acoustical & Electrical data	
Frequency range (-10 dB)	45 – 350 Hz
Max SPL (peak)	131 dB (calculated)
Sensitivity (1W/1m)	96,5 dB
LF transducer	15", M1570
Impedance	8 Ohm
Nominal power	700 W
Program power	1400 W
Peak power	2800 W
Connections and physical data	
Connectors	2x Neutrik Speakon
Dimensions (WxHxD)	601x441x655 mm
Net weight	34 kg
Shipping weight	36 kg
Mounting	M20 distance pole adapter
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, polymere protective net
Color	Black

# Focus SubA

## Powered 15 inch subwoofer



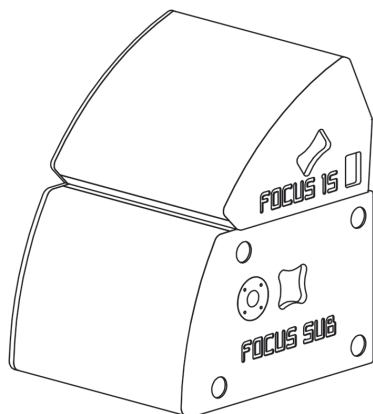
More versatility and wider application range are now possible with the introduction of Focus SubA. Designed specifically to reinforce Focus monitors for more punch and feel on the stage, Focus SubA is equipped with Powersoft® amplifier and DSP for even more control and usability.



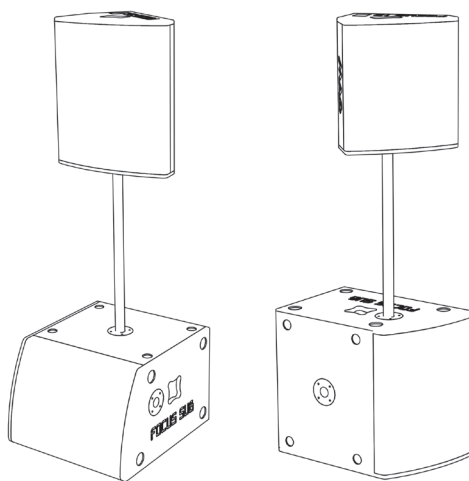
Type	Powered monitor subwoofer
Acoustical & Electrical data	
Frequency range (-10 dB)	45 – 200 Hz
Max SPL (peak)	131 dB (calculated)
Coaxial Transducer	15", M1570
Power	1500 W
Amplifier	Class D Powersoft ® Fan cooling
Input sensitivity	+4 dBV
Settings	4 switchable presets
Connections and physical data	
Connectors	XLR in + XLR out
Dimensions (WxHxD)	601x441x655 mm
Net weight	36 kg
Shipping weight	38 kg
Mounting	M20 distance pole adapter
Enclosure materials	Plywood; wear-resistant paint
Grill	Steel grill, polymere protective net
Color	Black



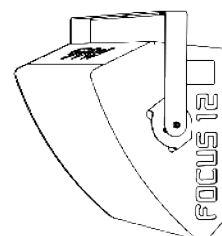
# Installation options



Ground stack

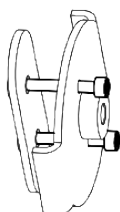


Pole mounted

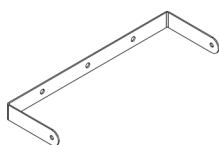


Flown via bracket

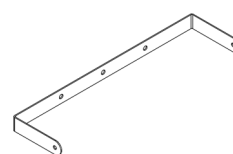
## Accessories



Flying adapter



Focus 12 U-bracket

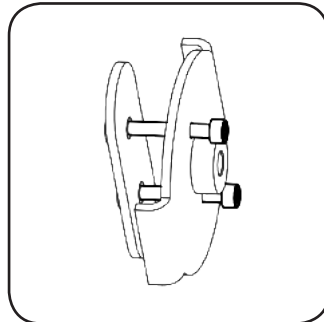


Focus 15 U-bracket

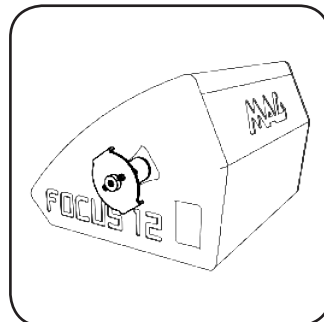
# Flown via bracket

## Assembly guideline

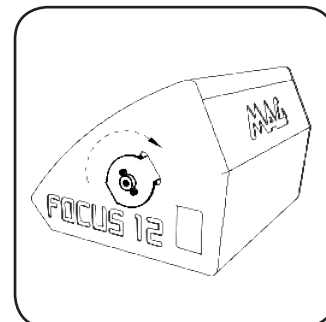
Release M6 bolts on flying adapters as much as possible



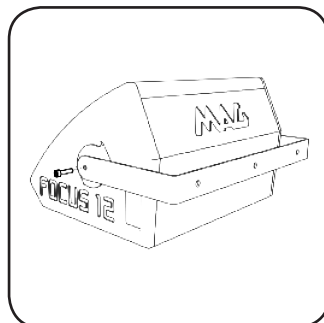
Insert flying adapters into handles of the cabinet



Rotate both flying adapters clockwise for 90 degrees



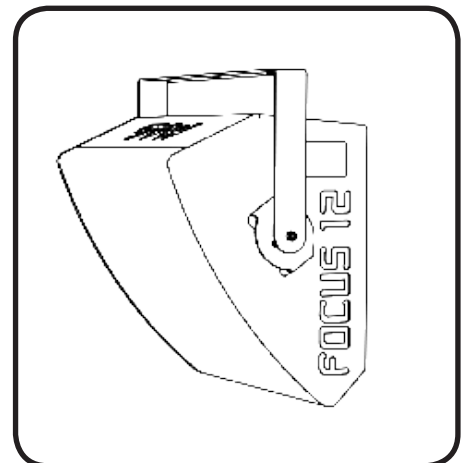
Fasten M6 bolts to secure flying adapters onto cabinet



Attach U-bracket onto flying adapters using M8 bolts. Secure firmly.

**!** ATTENTION! Make sure the support for flown speaker can hold the weight of entire assembly!

Perform all the required electric connections.



# Passive connections

Passive Focus 15 & Focus 12 monitors offer lots of control over their sonic performance due to switchable **bi-amp** connection.

Convenience and ease of use on the other hand, provided by internal crossover, available in **passive** mode.

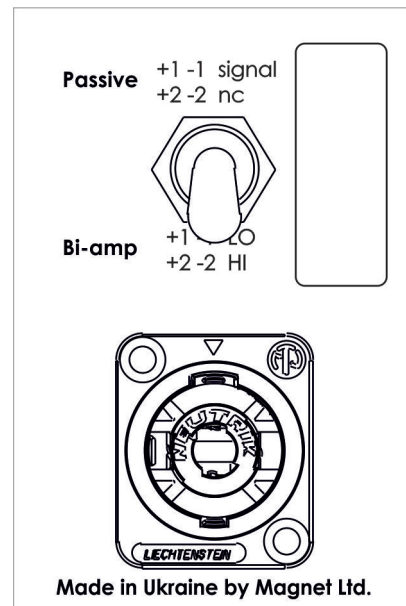
Connections:

Bi-amp	LF	1+ 1-
	HF	2+ 2-

Passive signal	1+ 1-
	n/a 2+ 2-

Bi-amp mode recommended amp & crossover:

LF	power amplifier	400 - 800 W @ 8 ohm
	HPF	63 Hz Butterworth 18 dB/oct
	LPF	1100 Hz Linkwitz-Riley 24 dB/oct
HF	power amplifier	100 - 200 W @ 8 ohm
	HPF	1100 Hz Linkwitz-Riley 24 dB/oct



Focus 15 & Focus 12's Passive / Bi-amp switch panel

# Integrated processor setups

Powered Focus family speakers come with integrated Powersoft® amplification and DSP sound processing for ease of installation and system setup.

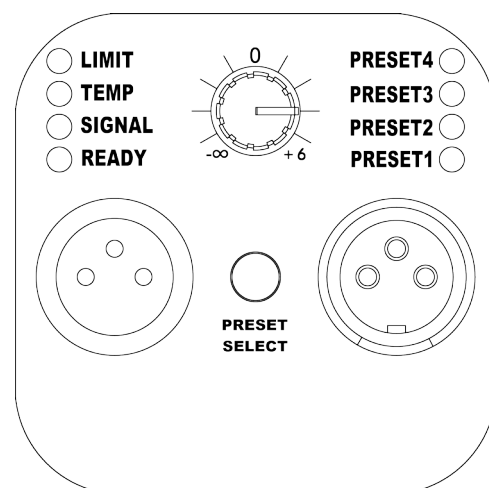
**Focus 12A & Focus 15A** sound processing is optimized for many possible applications:

Preset 1 : Primary stage monitor setting (+ additional feedback suppression for most popular vocal mikes)

Preset 2 : Full - range speaker (For tripod pole mounting as ordinary FOH speaker)

Preset 3 : Drum fill (For use in ground stack with Focus Sub)

Preset 4 : Full - range speaker with HPF for pole mounting on Focus Sub as ordinary FOH speaker



Focus series's integrated amplifier's connection and controls panel

**Focus SubA** extend capabilities of full-range Focus monitors:

Preset 1 : Standard - for pole mount assembly with Focus 12 or Focus 15

Preset 2 : Drum fill - for ground stacking with Focus 12 or Focus 15

Preset 3 : - reserved for future use -

Preset 4 : - reserved for future use -