

R215B

The **R215B** by **Syrrious** is a major advance in the development of compact, high power, low frequency drive systems.

The design by Ken Hughes introduces VHR™ loading techniques within **R Series** LF products.

The technique offers major sonic advances through the combination of critical excursion control and a flare rate optimised for the desired response.

Two British built 15" LF drivers operates within a compact, ported enclosure to provide smooth, high energy, extended low frequency drive below 40Hz.



Touring the R215B

Versatility is the keyword with all **Syrrious** products and the R215B has been designed to maximise use within a wide variety of system combinations.

This compact, relatively lightweight low frequency workhorse is supplied with six strategically placed handles to assist loading or stacking; the cabinet may be used in vertical or horizontal format .

Four x 100mm rear mounted swivel castors are supplied as standard whilst an optional castor attachment plate may be fitted to allow rapid removal of any castor for the odd occasion when load or stage space becomes a little tight.

A fully recessed, heavy duty 35mm pole mount is also fitted on the top of the R215B for use with our telescopic extension pole; these fittings will support a 40kg mid/high cabinet.

Installing the R215B

The numerous advantages of fully equipped **Syrrious** touring boxes are also available to the installer.

From a totally basic model without handles or castors the R215B may also be specified in a variety of painted finishes and even supplied with flying equipment if space restrictions dictate that LF drive cabinets cannot be floor mounted.

Our expertise in the installation market allows us to offer superb sounding systems which are highly efficient, cost-effective and fully compatible with our customer's requirements.

Exterior fittings

Handles (sides x 4)

Recessed steel bar type

Handles (top and bottom x 2)

Recessed steel large flip type

Castors (rear mounted x 4)

100mm heavy duty swivel type.

Quick removal castor plate option*

Finish

Heavy Duty black carpet or optional textured paint finish - any colour *

Skids

Bottom and rear mounted easily replaced 18mm plywood skids

Flying Points (option)

1) GS-TA5 side and rear mounted track

2) GS-MA2.5 side mounted plates and rear strap plates

Construction

Cabinet shell

18mm multi-laminate Scandinavian birch plywood.

Baffle assembly

25mm multi-laminate Scandinavian birch plywood.

Connections

Speakon NL8

pin 1+ **hot** / pin 1- **cold**

Speakon NL4 (option) *

pin 1+ **hot** / pin 1- **cold**

Wiring (NL4 & NL8 connectors)

Brown + / Blue -

Connector / back plate options *

1) Deep recessed 2 x NL4

2) Deep recessed single NL8

3) Single NL8 plus 2 x NL4

All sockets are parallel linked on all pins eg. 1+ to 1+ (see diagrams)

Crossover frequencies

High pass

35Hz 4th/8th order Linkwitz-Riley or Butterworth filtering

Low pass

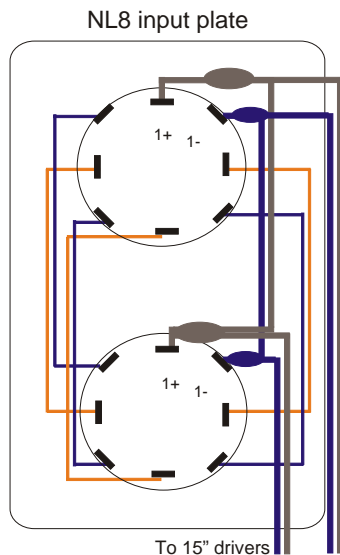
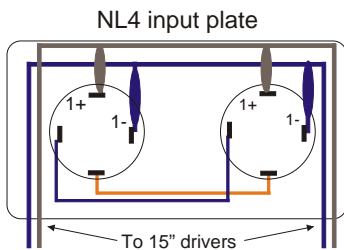
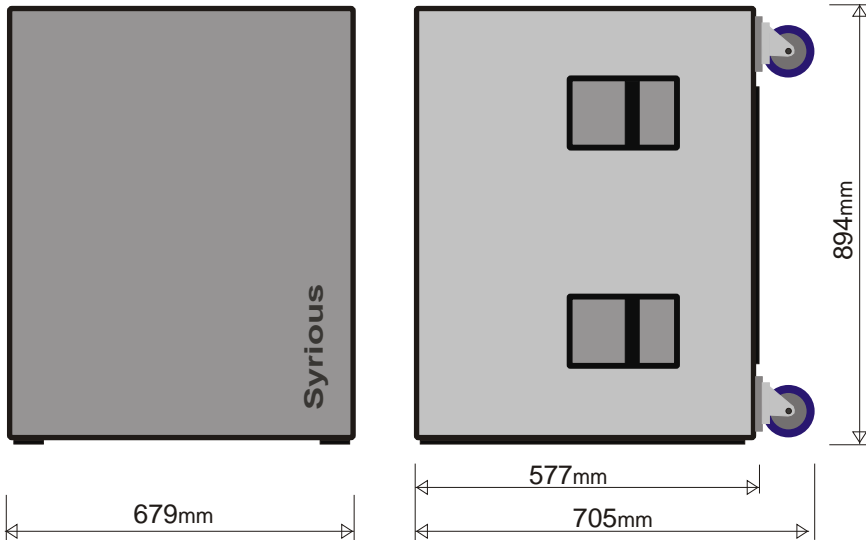
90 - 120Hz 4th order Linkwitz-Riley

Note: The R215B is not available with internal passive filtering

* Options must be requested at time of ordering.

All data & product design; Copyright - Ken Hughes 2001 - 2004

R215B



Speaker Cables

We recommend the use of 4mm² or 6mm² OFC cabling with all Syrious LF drive cabinets.

Wherever possible, cable lengths should not exceed 5 metres for 4 ohm loading (standard impedance on R215B); cabinet link cables should not exceed 1 metre.

Please call for details on Syrious cables - contact info' shown below.

Please note

We would like to draw your attention to the likelihood of hearing damage from prolonged exposure to high sound pressure levels.

Care should be taken when using cabinets in close proximity to the audience, musicians or artists.

For further information on the safe operation of any Syrious product please fax, call or email us - contact details are shown below.

S.P.A. Systems Ltd offers the information within this data sheet as accurate and correct at the time of publication.

It is recommend that all technical information is verified with the company before inclusion in quotations or tender documents.

The company will not be held responsible for losses or difficulties arising from errors, changes or omissions.

Tel: +44 (0)845 644 22 09 (01686 623 232)

Fax: +44 (0)845 644 22 51 (01686 623 233)

Email: sales@syrious.com

Web: www.syrious.com

S.P.A. Systems Ltd, Unit 36, Vastre Enterprise Park, Newtown, Powys, UK. SY16 1DZ

All data & product design; Copyright - Ken Hughes 2001 - 2004

Technical Specifications

System

Format	VHRP loading
Nominal impedance	4 ohm
Optional impedance	8 ohm *
Rec' amp' power @ 4ohm	700-1000 watts rms
Maximum power	1500 watts
Short term peak	2,400 watts

Performance

Sensitivity @ 1w/1m	100 dB
Maximum output	131 dB @ 1m
Frequency response (-3dB)	40 Hz - 150 Khz

Components

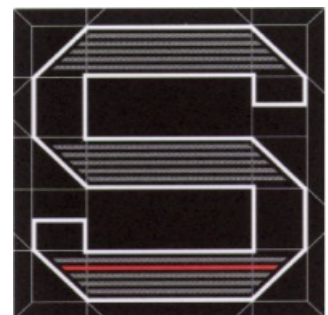
Drive unit size	385 mm / 15"
Voice coil diameter	102 mm / 4"
Chassis	cast aluminium
Suspension	dual spider
Mounting	6mm caphead bolts x 4

Dimensions

Height	894 mm / 35.25"
Depth over castors	705 mm / 27.70"
Depth - excl' castors	577 mm / 22.70"
Width	679 mm / 26.75"
External volume	336 lts / 11.8 ft ³
Weight	75.3 Kgs / 166 lbs

* Options must be requested at time of ordering.

For optimum performance and system protection we recommend the use of a digital loudspeaker management unit within systems incorporating the R215B. Klark-Teknik, BSS and XTA manufacture suitable models which may be loaded with preset configurations to operate with any **Syrious** system.



Syrious
Reference Series