

Programme SubWoofer

The Programme Sub is a bass reflex subwoofer designed to compliment the full range models in the Programme series providing low frequency reinforcement. With left and right 170Hz HPF outputs it seamlessly fills the bottom end letting the full range units work more efficiently with increased midrange clarity.

Using a proprietary designed 10" Wharfedale Pro driver with dual 2" voice coils the Programme Sub is capable of delivering powerful low end support. As with the rest of the range it is designed from the ground up to be a workhorse with its high strength rectangular cabinet and 200W per channel continuous output.

In keeping with the rest of the range the Programme Sub can be mounted using the included bracket and is available in both black and white paintable MDF cabinets to provide the most visually transparent installation possible.

Features

- Subwoofer loudspeaker system
- 10" (254 mm) Dual coil woofer
- 2 x 2" (50.8mm) voice coils
- 400 Watts Continuous Power Handling (both inputs driven)
- High strength rectangular cabinet
- High pass output for other Programme Series speakers
- Low and High Pass filters for smooth frequency response
- Barrier Strip Input & Output Connectors
- Wall mount bracket included
- M8 High Strength Hanging Points

Model name	Programme Sub
Feature	Bass Reflex Subwoofer
Frequency Response (-3dB)	45Hz-170Hz
Power handling (both inputs driven)	400W
Power handling (each input driven)	200W
Sensitivity (each input): dB-SPL (1W (2.83v) @1M)at corner junction	98dB
Sensitivity (both inputs): dB-SPL (1W (2.83v) @1M) at corner junction	101dB
Max SPL (both inputs driven)	124dB
Impedance	8 ohm per input/ 4 ohm both inputs paralleled
Dispersion @ -6dB (degrees)	NA
LF driver	10" (254 mm)
Crossover Point (12dB/octave	
lowpass, 6dB/ octave high-pass)	170HZ
Enclosure shape	Rectangle
Dimensions: H x W x D (mm)	413 x 635 x 392
Dimensions: H x W x D (in)	16.25 x 25.0 x 15.4
Weight: (kg/lb)	18.4 kg (40.5 lb.)
Finish colour	Black and White Paint
Cabinet material	15 mm MDF
Grille	1.2 mm Steel
Rigging	M8 x 12
Input Connectors	Screw terminal strip connector
High-Pass Output Connectors	Screw terminal strip connector
Included accessory	Black and white wall mount bracket

Optimum System Configuration:

Four programme 105 satellite speakers (two on each 105 satellite output) provide optimum sensitivity balance and impedance loading resulting in full-range 35Hz-20 kHz system performance. Broadband impedance is 4 ohm per input x 2 channels



PROFESSIONAL SOUND SYSTEMS

PROGRAMME
series





Hi Fidelity Surface Mount Solutions For The Most Demanding Architectural And Commercial Installations

The Programme Series offers hi fidelity surface mount solutions for commercial install applications. Frequency response has been optimized to be smooth and natural across the vocal range for high intelligibility in difficult environments, while retaining the neutral and uncoloured sound essential for unobtrusive reproduction of background music. The discreet and stylish appearance of the Programme Series is designed to seamlessly integrate into any architectural environment.

100v or 70v line models are available throughout the range. The Programme Series features a separate low impedance input for connection to a low impedance amplifier; a mode switch bypasses the secondary coil of the line transformer, eliminating insertion loss. The combination of separate input and mode switch also protects the unit from incorrect connection to a 70/100v line system in low impedance mode.

All models are available in black or white enclosures that can be painted to match any decor.

Programme 105, 108, 205, 206 and 406 all feature M6 rigging points for three point rigging applications and an M8 bracket point compatible with omni-mount brackets, a wall mounting bracket is included.

Features

- 2-way loudspeaker systems
- Custom designed Wharfedale Pro transducers
- 50—250 Watts Continuous Power Handling
- High strength Trapezoidal cabinet
- Pro-tech® (PTC/Bulb) driver protection
- M6 or M8 rigging points
- Parallel spring crimp, barrier strip or Speakon™ input connectors
- Supplied with adjustable heavy duty steel wall bracket
- Models available with 70v/100v Transformer ('T' version)

Specifications

Programme 30E/30ET



Programme 35E/35ET



Programme 105/105T



Programme 108/108T



Programme 205/205T



Programme 206/206T



Programme 406/406T



Model name	Programme 30E/30ET	Programme 35E/35ET
Type	2-Way reflex	2-Way reflex
Frequency response	75Hz-20kHz	65Hz-20kHz
Peak SPL @ 1m	109 dB	112 dB
Sensitivity (1W @ 1M)	86dB	88dB
Coverage Pattern (degrees)	70°H x 70°V	70°H x 70°V
Nominal Impedance	8 Ohms	8 Ohms
Power		
Continuous	50 Watts	60 Watts
Program	100 Watts	120 Watts
Peak	200 Watts	240 Watts
Low Frequency Driver	5-1/4" (133.4mm)	6-1/2" (165.1mm)
High Frequency Driver	1" (25.4mm) Mylar	1" (25.4mm) Silk Dome
Crossover frequency	2.3kHz	2.3kHz
HF Protection	Pro-tech (PTC)	Pro-tech (PTC)
Input connectors	Bare wire spring connector	Bare wire spring connector
Input connectors (T)	Screw-down barrier strip	Screw-down barrier strip
Output Connectors	NA	NA
Cabinet Material	MDF (Black Sandex vinyl)	MDF (Black Sandex vinyl)
Dimensions (H x W x D) (mm)	233.5x166x152	275x196x192
Weight per pair (kg) /T version	4.5kg(9.9lbs.)/5.12kg(11.2lbs)	6.2kg(13.6lbs.)/8.06kg(17.7lbs)
Rigging	M6 x 4 (bracket inc.)	M6 x 4 (bracket inc.)
Transformer(T models)	100V only	100V/70V
Transformer Tap(70V)	NA	5/10/20/40W
Transformer Tap(100V)	1.25/2.5/5/10W	10/20/40W

Model name	Programme 105/105T	Programme 108/108T	Programme 205/205T	Programme 206/206T	Programme 406/406T
Type	2 -way	2 -way	2 -way	2 -way	2 -way
Frequency Response	75Hz-20KHz	60Hz-20KHz	70Hz-20KHz	65Hz-20KHz	60Hz-20KHz
Continuous Power	80W	150W	100W	150W	250W
Peak Power	320W	600W	400W	600W	1000W
Sensitivity: dB-SPL (1W @1M)	89dB	90dB	91dB	93dB	96dB
Max SPL	114dB	118dB	117dB	120dB	126dB
Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Dispersion angle: (degrees)	60 x 60	60 x 60	60 x 60	60 x 60	60 x 60
LF driver	5"	8"	5" x 2	6.5" x 2	6.5" x 4
HF driver	1" Titanium dome	1" Titanium compression driver	1" Titanium dome	1" Titanium compression driver	1" Titanium compression driver
HF protection type	Pro-tech (PTC)	Pro-tech (BULB)	Pro-tech (BULB)	Pro-tech (BULB)	Pro-tech (BULB)
Crossover Point	2.3KHZ	2.3KHZ	2.3KHZ	2.3KHZ	2.3KHZ
Enclosure shape	Trapezoidal	Trapezoidal	Trapezoidal	Trapezoidal	Trapezoidal
Dimensions: HxWxD (mm)	304 x 184 x 205	458 x 248 x 275	500 x 184 x 205	660.5 x 215 x 275	980 x 215 x 275
Nett Weight STD	5.22Kg	9.34Kg	7.69Kg	11.36Kg	17.8Kg
Finish colour	Black/ White Paint	Black/ White Paint	Black/ White Paint	Black/ White Paint	Black/ White Paint
Cabinet material	MDF	MDF	MDF	MDF	MDF
Grille	Black/ White full (steel)	Black/ White full (steel)	Black/ White full (steel)	Black/ White full (steel)	Black/ White full (steel)
Rigging Points	M8 x 14	M8 x 18	M8 x 18	M8 x 18	M8 x 18
Input Connectors	Barrier strip	2 x Speakon + Barrier strip	Barrier strip	2 x Speakon + Barrier strip	2 x Speakon + Barrier strip
Input Connectors (T)	Barrier strip	Barrier strip	Barrier strip	Barrier strip	Barrier strip
Transformer(T)	100V/70V	100V/70V	100V/70V	100V/70V	100V/70V
TransformerTaps (70V)	7.5,15,30,60W	15,30,60,120W	10,20,40,80W	15,30,60,120W	15,30,60,120W
TransformerTaps (100V)	15,30,60W	30,60,120W	20,40,80W	30,60,120W	30,60,120W
Included accessory	Black/White bracket	Black/White bracket	Black/White bracket	Black/White bracket	Black/white bracket