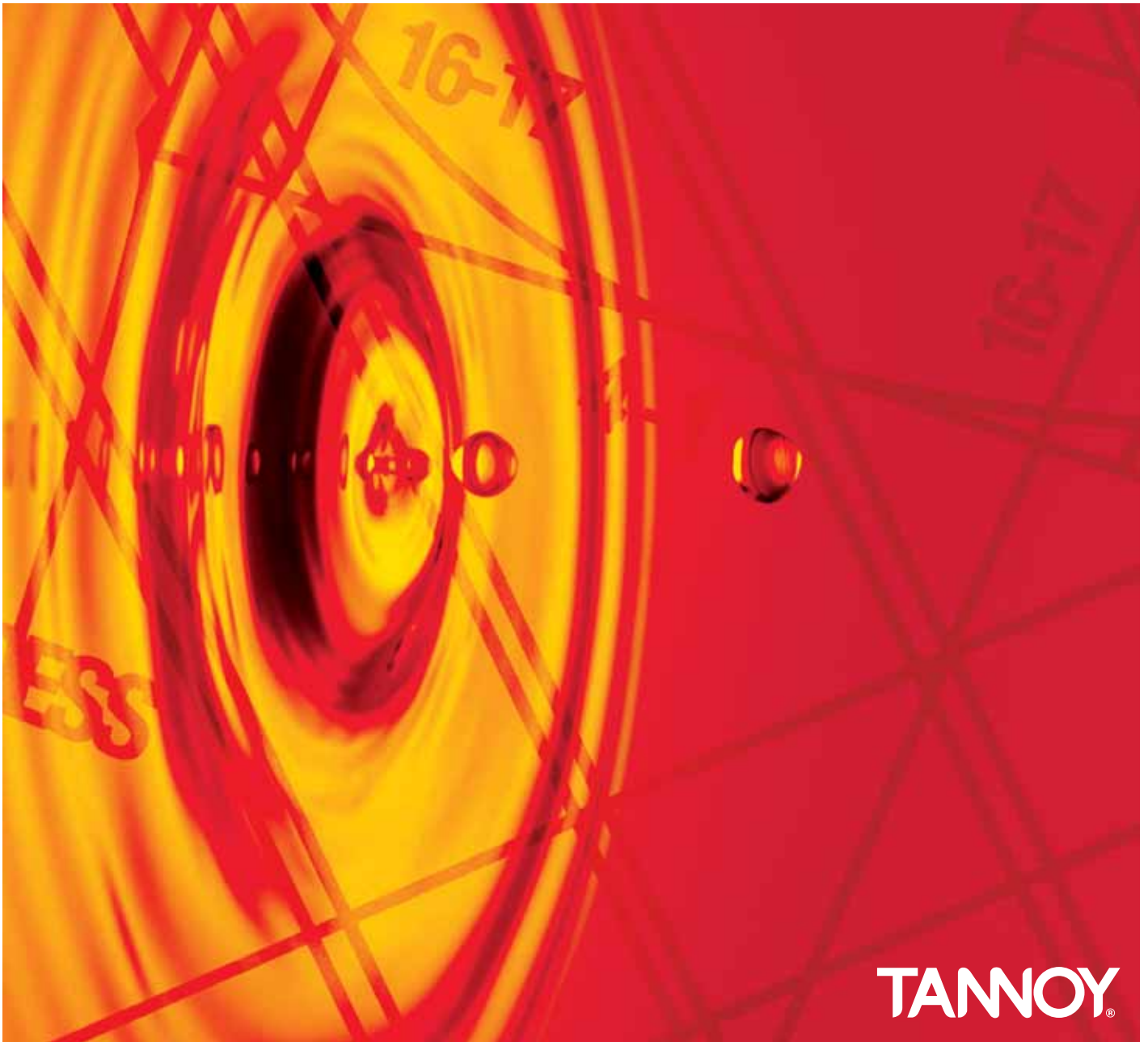


DEFINITION
INSTALL



TANNOY[®]

The Definition Install range has been designed around the unique Tannoy Dual Concentric™ drive unit, originally developed for professional applications, to satisfy a wide range of installation applications; from media rooms to home theatre and boardrooms through to high end marine interiors these loudspeakers deliver class leading accuracy, sensitivity and dynamics.

The Dual Concentric™ is effectively two drivers properly merged into one where, unlike ordinary drive units, the high frequency unit is positioned on the back of the low frequency driver. As a result they are on same axis, so ensuring that sound energy is effectively propagated from the same point and delivered through the centre of the low frequency cone as true point source. Such integration optimises reproduction quality by providing a constant time delay over the frequency spectrum, exceptional transient performance, wide dispersion and superior harmonic alignment; all of which delivers to the listening position a natural, clean and integrated sound with greatly enhanced intelligibility, sound staging and dynamics.

Catering for a variety of system configurations and room proportions, the Definition Install range consists of cabinet/behind screen models, in walls and subwoofers.

The robustly constructed cabinet speakers can be mounted on wall or behind screens with no compromise to performance. The in wall units are designed to blend seamlessly into the décor of a media environment as discreet solutions to cover every conceivable high end surround application. The subwoofers underpin a Definition install theatre system with truly remarkable low frequency performance. Each is massively constructed around a professional standard drive unit and yet they are compact enough to integrate into a modestly sized room.

Combining spectacular and thunderous bass, exceptional musical agility and dynamics with precision imaging and breathtaking intelligibility ensures that when integrated with the finest media equipment the Definition install range will produce the ultimate audio visual experience in any listening and viewing environment.







Product Description

The Definition Install DC6i has been designed around the unique Tannoy Dual Concentric™ drive unit to bring class leading performance to a wide range of installation applications; from media rooms to home theatre and boardrooms through to high end marine interiors these loudspeakers deliver class leading accuracy, sensitivity and dynamics.

Characteristic of the Dual Concentric™ design is a very wide 'sweet spot' with an exceptionally even response throughout the listening area, as well as an extraordinary transient response; reasons enough for this phase accurate Tannoy designed drive unit to have been the choice of professional studio engineers all over the world for many years.

The Dual Concentric™ is effectively two drivers properly merged into one where, unlike ordinary drive units, the high frequency unit is positioned on the back of the low frequency driver. As a result they are on same axis, so ensuring that sound energy is effectively propagated from the same point and delivered through the centre of the low frequency cone as true point source. Such integration optimises reproduction quality by providing a constant time delay over the frequency spectrum, exceptional transient performance, wide dispersion and superior harmonic alignment; all of which delivers to the listening position a natural, clean and integrated sound with greatly enhanced intelligibility, sound staging and dynamics.

This compact MDF cabinet is vented and rigidly constructed with extensive bracing to be acoustically inert. The speaker is designed to be hidden within a custom designed installation; mounted on wall either behind the screen or acoustically transparent decorative panels with no appreciable loss of performance. The unit can be mounted either horizontally or vertically using the integral keyhole mounts and the supplied wall plate.

Designed to be used in left, centre or right locations the DC6i is capable of explosive dynamics with stunning detail in both music and movie application in vast array of listening and viewing environments.

Features

- 150mm (6.00") high sensitivity, point source and constant directivity Dual Concentric™ drive unit
- Constant time delay over the frequency spectrum
- Exceptional transient performance
- 90 degree conical dispersion
- Superior harmonic alignment
- Natural, clean and integrated sound
- Enhanced intelligibility, sound staging and dynamics
- Recommended amplifier power 100 to 200W @ 8 Ohms
- Sensitivity 90dB (1W = 2.83V for 8 Ohms)
- Maximum SPL 110dB average
- Rugged construction MDF enclosure, vented, internally braced and finished with textured black paint
- Multiple hanging options

Applications

- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors

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Definition Install DC6i

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TECHNICAL SPECIFICATIONS

System	Definition Install DC6i	
Frequency Range ⁽¹⁾	70Hz - 45kHz	
System Sensitivity (1W @1m) ⁽²⁾	90dB (1W = 2.83V for 8 Ohms)	
Dispersion (-6dB)	90 degrees conical	
Driver Complement	1 x 150mm (6.00") point source constant directivity Dual Concentric™	
Crossover	Passive 1.6kHz with dynamic HF protection	
Directivity Factor (Q)	4.5 averaged 1kHz to 10kHz	
Directivity Index (DI)	6.4 averaged 1kHz to 10kHz	
Rated Maximum SPL ⁽²⁾		
Average	110dB	
Peak	116dB	
Power Handling		
Average	100W	
Programme	200W	
Peak	400W	
Recommended Amplifier Power	100 to 200W @ 8 Ohms	
Nominal Impedance	8 Ohms	
Distortion		
10% Full Power (8.94V)	2nd Harmonic	3rd Harmonic
250Hz	2.4%	0.46%
1kHz	0.20%	0.53%
10kHz	1.19%	0.19%
1% Full Power (2.83V)	2nd Harmonic	3rd Harmonic
250Hz	0.48%	0.37%
1kHz	0.01%	0.24%
10kHz	0.46%	0.07%

Notes:
 (1) Average over stated bandwidth. Measured at 1 metre on axis.
 (2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber

A full range of measurements, performance data, CLF and Ease™ Data can be downloaded from www.tannoy.com

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Construction	
Enclosure	MDF, vented and internally braced
Finish	Textured black paint
Connectors	2 x 4mm gold plated binding posts
Fittings	8 x M10 bracket inserts, 4 wall plate keyhole fixings, allowing landscape or portrait mounting orientations 1 x wall plate
Dimensions	334 x 250 x 214mm (H x W x D) 13.15 x 9.84 x 8.45" (H x W x D)
NET Weight	7kg (15.4lbs)

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED WEIGHT
8000 5170	Definition Install DC6i	Black	2

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Product Description

The Definition Install DC8i has been designed around the unique Tannoy Dual Concentric™ drive unit to bring audiophile performance to a wide range of installation applications; from media rooms to home theatre and boardrooms through to high end marine interiors these loudspeakers deliver class leading accuracy, sensitivity and dynamics.

Characteristic of the Dual Concentric design is a very wide 'sweet spot' with an exceptionally even response throughout the listening area, as well as an extraordinary transient response; reasons enough for this phase accurate Tannoy designed drive unit to have been the choice of professional studio engineers all over the world for many years.

The Dual Concentric™ is effectively two drivers properly merged into one where, unlike ordinary drive units, the high frequency unit is positioned on the back of the low frequency driver. As a result they are on same axis, so ensuring that sound energy is effectively propagated from the same point and delivered through the centre of the low frequency cone as true point source. Such integration optimises reproduction quality by providing a constant time delay over the frequency spectrum, exceptional transient performance, wide dispersion and superior harmonic alignment; all of which delivers to the listening position a natural, clean and integrated sound with greatly enhanced intelligibility, sound staging and dynamics.

This compact MDF cabinet is vented and rigidly constructed with extensive bracing to be acoustically inert. The speaker is designed to be hidden within a custom designed installation; mounted on wall either behind the screen or acoustically transparent decorative panels with no appreciable loss of performance. The unit can be mounted either horizontally or vertically using the integral keyhole mounts and the supplied wall plate.

Designed to be used in left, centre or right locations the high power handling DC8i is capable of explosive dynamics with stunning detail in both music and movie application in vast array of listening and viewing environments.

Features

- 200mm (8.00") high sensitivity, point source and constant directivity Dual Concentric™ drive unit
- Constant time delay over the frequency spectrum
- Exceptional transient performance
- 90 degree conical dispersion
- Superior harmonic alignment
- Natural, clean and integrated sound
- Enhanced intelligibility, sound staging and dynamics
- Recommended amplifier power 100 to 200W @ 8 Ohms
- Sensitivity 92dB (1W = 2.83V for 8 Ohms)
- Maximum SPL 119dB average
- Rugged construction MDF enclosure, vented, internally braced and finished with textured black paint
- Multiple hanging options

Applications

- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors

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Definition Install DC8i

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TECHNICAL SPECIFICATIONS

System	Definition Install DC8i	
Frequency Range ⁽¹⁾	62Hz - 45kHz	
System Sensitivity (1W @1m) ⁽²⁾	92dB (1W = 2.83V for 8 Ohms)	
Dispersion (-6dB)	90 degrees conical	
Driver Complement	1 x 200mm (8.00") point source, constant directivity Dual Concentric™	
Crossover	Passive 1.7kHz with dynamic HF protection	
Directivity Factor (Q)	5.7 averaged 1kHz to 10kHz	
Directivity Index (DI)	7.0 averaged 1kHz to 10kHz	
Rated Maximum SPL ⁽²⁾		
Average	113dB	
Peak	119dB	
Power Handling		
Average	130W	
Programme	260W	
Peak	520W	
Recommended Amplifier Power	100 - 260W @ 8 Ohms	
Nominal Impedance	8 Ohms	
Distortion		
10% Full Power (8.94V)	2nd Harmonic	3rd Harmonic
250Hz	0.4%	0.35%
1kHz	0.28%	0.66%
10kHz	1.50%	0.35%
1% Full Power (2.83V)	2nd Harmonic	3rd Harmonic
250Hz	0.11%	0.15%
1kHz	0.12%	0.34%
10kHz	0.51%	0.17%

Construction	
Enclosure	MDF, vented and internally braced
Finish	Textured black paint
Connectors	2 x 4mm gold plated binding posts
Fittings	8 x M10 bracket inserts, 4 wall plate keyhole fixings, allowing landscape or portrait mounting orientations 1 x wall plate
Dimensions	394 x 294 x 215mm (H x W x D) 15.51 x 11.57 x 8.46" (H x W x D)
NET Weight	9.5kg (20.90lbs)

Notes:

(1) Average over stated bandwidth. Measured at 1 metre on axis.

(2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber

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Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8000 5180	Definition Install DC8i	Black	2

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Product Description

The high power handling Definition Install DC12i has been designed around the unique Tannoy Dual Concentric™ drive unit to bring audiophile performance to a wide range of installation applications; from media rooms to home theatre and boardrooms through to high end marine interiors these loudspeakers deliver class leading accuracy, sensitivity and dynamics.

Characteristic of the Dual Concentric™ design is a very wide 'sweet spot' with an exceptionally even response throughout the listening area, as well as an extraordinary transient response; reasons enough for this phase accurate Tannoy designed drive unit to have been the choice of professional studio engineers all over the world for many years.

The Dual Concentric™ is effectively two drivers properly merged into one where, unlike ordinary drive units, the high frequency unit is positioned on the back of the low frequency driver. As a result they are on same axis, so ensuring that sound energy is effectively propagated from the same point and delivered through the centre of the low frequency cone as true point source. Such integration optimises reproduction quality by providing a constant time delay over the frequency spectrum, exceptional transient performance, wide dispersion and superior harmonic alignment; all of which delivers to the listening position a natural, clean and integrated sound with greatly enhanced intelligibility, sound staging and dynamics.

This compact MDF cabinet is vented and rigidly constructed with extensive bracing to be acoustically inert. The speaker is designed to be hidden within a custom designed installation; mounted on wall either behind the screen or acoustically transparent decorative panels with no appreciable loss of performance. The unit can be mounted either horizontally or vertically using the integral keyhole mounts and the supplied wall plate. Designed to be used in left, centre or right locations the high power handling DC12i and at 97dB (1W = 2.83V for 8 Ohms) is exceptionally sensitive and therefore capable of very high output levels, explosive dynamics and stunning detail in both music and movie applications in vast array of listening and viewing environments

Features

- 300mm (12.00") high sensitivity, point source and constant directivity Dual Concentric™ drive unit
- Constant time delay over the frequency spectrum
- Exceptional transient performance
- 90 degree conical dispersion
- Superior harmonic alignment
- Natural, clean and integrated sound
- Enhanced intelligibility, sound staging and dynamics
- Recommended amplifier power 100 to 400W @ 8 Ohms
- Sensitivity 97dB (1W = 2.83V for 8 Ohms)
- Maximum SPL 126dB average
- Rugged construction MDF enclosure, vented, internally braced and finished with textured black paint
- Multiple hanging options

Applications

- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors

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Definition Install DC12i

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TECHNICAL SPECIFICATIONS

System	Definition Install DC12i	
Frequency Range ⁽¹⁾	50Hz - 38kHz	
System Sensitivity (1W @1m) ⁽²⁾	97dB (1W = 2.83V for 8 Ohms)	
Dispersion (-6dB)	90 degrees conical	
Driver Complement	1 x 300mm (12.00") point source constant directivity Dual Concentric™	
Crossover	Passive 1.4kHz with dynamic HF protection	
Directivity Factor (Q)	6.0 averaged 1kHz to 10kHz	
Directivity Index (DI)	7.4 averaged 1kHz to 10kHz	
Rated Maximum SPL ⁽²⁾		
Average	120dB	
Peak	126dB	
Power Handling		
Average	200W	
Programme	400W	
Peak	800W	
Recommended Amplifier Power	400W @ 8 Ohms	
Nominal Impedance	8 Ohms	
Distortion		
10% Full Power (12.65V)	2nd Harmonic	3rd Harmonic
250Hz	0.53%	0.35%
1kHz	2.36%	1.88%
10kHz	2.68%	0.16%
1% Full Power (4.00V)	2nd Harmonic	3rd Harmonic
250Hz	0.17%	0.09%
1kHz	0.52%	0.99%
10kHz	0.96%	0.02%

Notes:

- (1) Average over stated bandwidth. Measured at 1 metre on axis.
- (2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber

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Construction	
Enclosure	MDF, vented and internally braced
Finish	Textured black paint
Connectors	2 x 4mm gold plated binding posts
Fittings	8 x M10 bracket inserts, 4 wall plate keyhole fixings, allowing landscape or portrait mounting orientations 1 x wall plate
Dimensions	550 x 410 x 255mm (H x W x D) (21.65 x 16.14 x 10.04") (H x W x D)
NET Weight	20kg (44 lbs)

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8000 5190	Definition Install DC12i	Black	1

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Definition Install DS12i sub TANNOY®



Product Description

The Definition Install DS12i sub has been designed to underpin a Definition install theatre or media room system with truly remarkable low frequency performance. Massively constructed around 300mm (12.00") professional drive unit, this subwoofer will produce the ultimate soundtrack experience, with spectacular and thunderous bass, yet still be agile enough to maintain finer musical detail with precision and speed.

This 38 litre direct radiating design is robustly constructed MDF enclosure, using 15mm (0.62") for the panels and 36mm (1.41") for the front baffle. Extensive internal bracing minimises panel resonance ensuring a tight and responsive bass performance. Capable of achieving 38Hz and with a sensitivity of 94dB (1W = 2.83V for 8 Ohms), the DS12i sub will deliver an SPL of 126dB peak. Recommended amplifier power is 400 – 800W @ 8 Ohms.

Finished in rugged textured black paint, the enclosure is fitted with two binding posts, eight M10 inserts and four rubber feet.

The DS12i sub is compact enough to bring class leading performance to a wide range of installation applications; from media rooms to home theatre and boardrooms through to high end marine interiors.

Features

- 1 x 300mm (12.00") high power handling direct radiating bass driver
- Immensely rugged 38 litre MDF enclosure is internally braced, with 15mm (0.62") panels and a 36mm (1.37") front baffle
- Power handling 800W programme
- Sensitivity 94dB (1W = 2.83V for 8 Ohms)
- Rated SPL 126dB peak
- 2 x binding post connectors, 8 x M10 inserts and 4 x rubber feet

Applications

- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors

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Definition Install DS12i sub

TANNOY®

TECHNICAL SPECIFICATIONS

System Definition Install DS12i sub

System Type	Subwoofer - Direct Radiating	
Frequency Range⁽¹⁾	38Hz	
System Sensitivity (1W @1m)⁽²⁾	94dB (1W = 2.83V for 8 Ohms)	
Power Handling		
Average	400W	
Programme	800W	
Peak	1600W	
Recommended Amplifier Power	400 - 800W @ 8 Ohms	
Rated Maximum SPL²		
Average	120dB	
Peak	126dB	
Nominal Impedance	8 Ohms	
Driver Complement	1 x 300mm (12.00") Bass driver	
Recommended Crossover	80Hz - 300Hz, 24dB/octave Recommended High-pass filter 40Hz, 24dB/octave	
Distortion		
10% Full Power (17.9V)	2nd Harmonic	3rd Harmonic
40Hz	0.28%	2.26%
100Hz	0.29%	0.60%
1% Full Power (5.6V)	2nd Harmonic	3rd Harmonic
40Hz	0.19%	0.39%
100Hz	0.13%	0.02%

Notes:

- (1) Average over stated bandwidth. Measured at 1 metre on axis.
- (2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber

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Construction

Enclosure	38 litres, internally braced MDF enclosure with 15mm (0.62" panels and 36mm (1.37") front baffle.
Finish	Textured black paint.
Connectors	2 x Binding posts
Fittings	8 x M10 inserts. 4 x Rubber feet
Dimensions	435mm x 370mm x 355mm (H x W x D) (17.1" x 14.6" x 14.0") (H x W x D)
Net Weight	21kg (46.3lbs)

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8000 5190	Definition Install DS12i sub	Black	1

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Definition Install DS15i sub TANNOY®



Product Description

The Definition Install DS15i sub has been designed to underpin a Definition install theatre or media room system with truly remarkable low frequency performance. Massively constructed around 380mm (15.00") professional drive unit, this subwoofer will produce the ultimate soundtrack experience, with spectacular and thunderous bass, yet still be agile enough to maintain finer musical detail with precision and speed.

This 76 litre direct radiating design is robustly constructed MDF enclosure, using 15mm (0.62") for the panels and 36mm (1.42") for the front baffle. Extensive internal bracing minimises panel resonance ensuring a tight and responsive bass performance. Capable of achieving 36Hz and with a sensitivity of 96dB (1W = 2.83V for 8 Ohms), the DS15i sub will deliver an SPL of 130dB peak. Recommended amplifier power is 600 – 1200W @ 8 Ohms.

Finished in rugged textured black paint, the enclosure is fitted with two binding posts, eight M10 inserts and four rubber feet.

The DS15i sub is compact enough to bring class leading performance to a wide range of installation applications; from media rooms to home theatre and boardrooms through to high end marine interiors.

Features

- 1 x 380mm (15.00") high power handling direct radiating bass driver
- Immensely rugged 76 litre MDF enclosure is internally braced, with 15mm (0.62") panels and a 36mm (1.37") front baffle
- Power handling 1200W programme
- Sensitivity 96dB (1W = 2.83V for 8 Ohms)
- Rated SPL 130dB peak
- 2 x binding post connectors, 8 x M10 inserts and 4 x rubber feet

Applications

- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors

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Definition Install DS15i sub

TANNOY®

TECHNICAL SPECIFICATIONS

System Definition Instal DS15i sub

System Type	Subwoofer - Direct Radiating	
Frequency Range ⁽¹⁾	36Hz	
System Sensitivity (1W @1m) ⁽²⁾	96dB (1W = 2.83V for 8 Ohms)	
Power Handling		
Average Programme Peak	600W	
	1200W	
	2400W	
Recommended Amplifier Power	600 - 1200 W / 8 Ohms	
Rated Maximum SPL ²		
Average Peak	124dB	
	130dB	
Nominal Impedance	8 Ohms	
Driver Complement	1 x 380mm (15.00") Bass driver	
Recommended Crossover	70Hz - 300Hz, 24dB / octave	
Recommended High-pass filter	35Hz, 24dB / octave	
Distortion		
10% Full Power (21.9V)	2nd Harmonic	3rd Harmonic
40Hz	0.83%	0.68%
100Hz	0.23%	0.44%
1% Full Power (6.9V)	2nd Harmonic	3rd Harmonic
40Hz	0.44%	0.28%
100Hz	0.15%	0.15%

Notes:

(1) Average over stated bandwidth. Measured at 1 metre on axis.

(2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber

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Construction

Enclosure	76 litres, front 36mm (1.37"), other panels 15mm (0.62") MDF internally braced.
Finish	Textured black paint
Connectors	2 x Binding posts
Fittings	8 x M10 inserts. 4 x Rubber feet
Dimensions	525 x 460 x 430mm (H x W x D) 20.67 x 18.11 x 16.93" (H x W x D)
NET Weight	30kg (66.1lbs)

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8000 5210	Definition Install DS15i sub	Black	1

Tannoy United Kingdom
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Product Description

The Definition Install iw60 EFX is a multi purpose in wall surround / effects speaker designed around the unique Tannoy Dual Concentric™ drive unit. The speaker is conveniently configurable between two modes of operation: 'Cinema Mode', where the two optimally aligned 100mm (4.00") Dual Concentric™ drivers generate a wide and even flow of acoustic energy over a large area for a diffuse room filling ambience and the direct radiating 'Music Mode', where the 165mm (6.50") constant directivity Dual Concentric™ driver produces a more localised and focused sound, highlighting the distinct separation afforded by modern programme material. In Music mode the direct radiating pattern is auto switched using a 12V trigger.

Claims are made that having more drivers is better. While multiple drivers are needed to cover the full frequency spectrum it is a fact that a discrete woofer and tweeter array will produce a large null at the crossover frequency when you move through the vertical plane. In a product concept such as the iw60 EFX, using three sets of discrete drivers would cause this negative acoustic effect to occur three times in a single cabinet; something no amount of DSP could compensate for. The point source Dual Concentric™ units in the Tannoy iw60 EFX ensure that no such acoustical anomalies occur.

The Dual Concentric™ is effectively two drivers properly merged into one where, unlike ordinary drive units, the high frequency unit is positioned on the back of the low frequency driver. As a result they are on same axis, so ensuring that sound energy is effectively propagated from the same point and delivered through the centre of the low frequency cone as true point source. Such integration optimises reproduction quality by providing a constant time delay over the frequency spectrum, exceptional transient performance, wide dispersion and superior harmonic alignment; all of which delivers to the listening position a natural, clean and integrated sound with greatly enhanced intelligibility, sound staging and dynamics.

Characteristic of the Dual Concentric™ design is a very wide 'sweet spot' with an exceptionally even response throughout the listening area, as well as an extraordinary transient response; reasons enough for this phase accurate Tannoy designed drive unit to have been the choice of professional studio engineers all over the world for many years.

The heavily braced and comprehensively damped MDF cabinet is supplied with a paintable, flush mounting grille designed to blend seamlessly into any architectural space. A unique isolation mounting system optimises low frequency performance by controlling unwanted resonances within the install structure. A mounting frame is available as an optional pre-installation accessory to fit into standard construction 2" x 4" stud walls.

The exceptionally versatile, high power handling iw60 EFX is able to extract the full potential of contemporary multi-channel soundtracks; an in wall surround / effects speaker designed to reproduce the same bandwidth and sound pressure levels as the main speakers.

Features

- 165mm (6.50") high sensitivity, point source and constant directivity Dual Concentric™ drive unit (music mode)
- Two 100mm (6.50") Dual Concentric™ drive units in dipole configuration (cinema mode)
- Constant time delay over the frequency spectrum
- Exceptional transient performance
- 90 degree conical dispersion (music mode 120 degrees horizontal by 90 degrees (cinema mode)
- Superior harmonic alignment
- Natural, clean and integrated sound
- Enhanced intelligibility, sound staging and dynamics
- Recommended amplifier power 100 to 200W @ 8 Ohms
- Sensitivity 90dB (1W = 2.83V for 8 Ohms)
- Maximum SPL 117dB average
- Rugged construction MDF closed enclosure, internally braced and finished with textured black paint
- Isolation mounting system minimises energy transfer to the wall material
- Optional pre-installation frame available

Applications

- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors

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Definition Install iw60 EFX

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TECHNICAL SPECIFICATIONS

System Definition Install iw60 EFX

Frequency Response ⁽¹⁾⁽⁴⁾	110Hz - 23kHz
Frequency Range ⁽¹⁾⁽⁴⁾	74Hz - 27kHz
System Sensitivity (1W @1m) ⁽²⁾⁽⁴⁾	90dB (1W = 2.83V for 8 Ohms)
Nominal Coverage Angle	90 degrees conical in music mode
Coverage Angle (1kHz to 6kHz)	120 degrees horizontal x 90 degrees in cinema mode
Directivity Factor (Q)	3.50 averaged 1kHz to 6kHz
Directivity Index (DI)	5.50 averaged 1kHz to 6kHz
Rated Maximum SPL ⁽³⁾	
Average	110dB
Peak	116dB
Power Handling ⁽³⁾	
Average	100W
Programme	200W
Peak	400W
Recommended Amplifier Power	200W @ 8 Ohms
Nominal Impedance	8 Ohms in music mode 4 Ohms in cinema mode

Distortion

10% Full Power (8.94V)	2nd Harmonic	3rd Harmonic
250Hz	1.84%	0.30%
1kHz	0.34%	0.61%
10kHz	0.91%	0.17%
1% Full Power (2.83V)	2nd Harmonic	3rd Harmonic
250Hz	0.19%	0.35%
1kHz	0.40%	0.32%
10kHz	0.46%	0.89%

Crossover 1.6kHz

Notes:

- (1) Average over stated Bandwidth. Measured in an IEC baffle in an Anechoic Chamber
- (2) Unweighted Pink noise input, measured at 1m on axis
- (3) Long term power handling capacity as defined in EIA - 426B test
- (4) Music mode
- (5) Cinema mode. For music mode refer to iw63 data

A full range of measurements, performance data, CLF and Ease™ Data can be downloaded from www.tannoy.com

Full independent verification of published specifications carried out by NWAA Labs, California can also be obtained from the downloads section of www.tannoy.com

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8000 5270	Definition Install iw63 EFX	Black	1

Transducers

Music mode	1 x 165mm (6.5") constant directivity Dual Concentric™
Cinema mode	2 x 100mm (4.0") Dual Concentric™ in dipole configuration

Construction

Enclosure	11.5 litre (net total volume), closed and internally braced MDF enclosure
Finish	Textured black paint White powder coated perforated steel grille, foam behind
Connectors	Gold plated spring terminals
Controls	Mode selection input (12V DC relay activated via Dinkle connector)
Dimensions	590 x 345 x 94mm (H x W x D) (23.23 x 13.58 x 3.70 ") (H x W x D)
Optional Accessory	Pre-installation mounting frame
NET Weight	9.50Kg (20.94lbs)

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Product Description

The Definition Install iw63 DC in wall speaker has been designed around the unique Tannoy Dual Concentric™ drive unit to bring audiophile performance to a wide range of installation applications; from media rooms to home theatre and boardrooms through to high end marine interiors these loudspeakers deliver class leading accuracy, sensitivity and dynamics.

Characteristic of the Dual Concentric design is a very wide 'sweet spot' with an exceptionally even response throughout the listening area, as well as an extraordinary transient response; reasons enough for this phase accurate Tannoy designed drive unit to have been the choice of professional studio engineers all over the world for many years.

The Dual Concentric™ is effectively two drivers properly merged into one where, unlike ordinary drive units, the high frequency unit is positioned on the back of the low frequency driver. As a result they are on same axis, so ensuring that sound energy is effectively propagated from the same point and delivered through the centre of the low frequency cone as true point source. Such integration optimises reproduction quality by providing a constant time delay over the frequency spectrum, exceptional transient performance, wide dispersion and superior harmonic alignment; all of which delivers to the listening position a natural, clean and integrated sound with greatly enhanced intelligibility, sound staging and dynamics.

Capable of an effortless and powerful performance to rival that of the cabinet based models in the range, the iw63 DC is equipped with a 165mm (6.50") Dual coupled with two 165mm (6.50") high output woofers. The heavily braced and comprehensively damped MDF cabinet is supplied with a paintable, flush mounting grille designed to blend seamlessly into any architectural space.

A unique isolation mounting system optimises low frequency performance by controlling unwanted resonances within the install structure. A mounting frame is available as an optional pre-installation accessory to fit into standard construction 2" x 4" stud walls.

The high power handling iw63 DC will excel in any in wall application but is primarily designed to be used in left, centre or right locations in home theatre or media room applications. At 91dB (1W = 2.83V for 8 Ohms) the speaker is very sensitive and therefore capable of high output levels, tremendous dynamics and stunning detail in both music and movie applications in vast array of listening and viewing environments.

Features

- 165mm (6.50") high sensitivity, point source and constant directivity Dual Concentric™ drive unit
- Two 165mm (6.50") bass drivers
- Constant time delay over the frequency spectrum
- Exceptional transient performance
- 90 degree conical dispersion
- Superior harmonic alignment
- Natural, clean and integrated sound
- Enhanced intelligibility, sound staging and dynamics
- Recommended amplifier power 100 to 200W @ 8 Ohms
- Sensitivity 91dB (1W = 2.83V for 8 Ohms)
- Maximum SPL 117dB average
- Rugged construction MDF closed enclosure, internally braced and finished with textured black paint
- Isolation mounting system minimises energy transfer to the wall material
- Optional pre-installation frame available

Applications

- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors

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Definition Install iw63 DC

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TECHNICAL SPECIFICATIONS

System	Definition Install iw63 DC	
Frequency Range ⁽¹⁾	54Hz - 40kHz	
System Sensitivity (1W @1m) ⁽²⁾	91dB (1W = 2.83V for 8 Ohms)	
Nominal Coverage Angle	90 degrees conical	
Coverage Angle (1kHz to 6kHz)	120 degrees conical	
Directivity Factor (Q)	3.5 averaged 1kHz to 6kHz	
Directivity Index (DI)	5.5 averaged 1kHz to 6kHz	
Rated Maximum SPL ⁽³⁾		
Average	111dB	
Peak	117dB	
Power Handling ⁽³⁾		
Average	100W	
Programme	200W	
Peak	400W	
Recommended Amplifier Power	100 - 200W @ 8 Ohms	
Nominal Impedance	8 Ohms	
Distortion		
10% Full Power (8.94V)	2nd Harmonic	3rd Harmonic
250Hz	0.18%	0.08%
1kHz	0.89%	1.05%
10kHz	1.30%	0.18%
1% Full Power (2.83V)	2nd Harmonic	3rd Harmonic
250Hz	0.90%	0.38%
1kHz	0.36%	0.61%
10kHz	0.54%	0.55%
Crossover	320Hz, 1.5kHz	

Notes:

- (1) Average over stated Bandwidth. Measured in an IEC baffle in an Anechoic Chamber
- (2) Unweighted Pink noise input, measured at 1m on axis
- (3) Long term power handling capacity as defined in EIA - 426B test

A full range of measurements, performance data, CLF and Ease™ Data can be downloaded from www.tannoy.com

Full independent verification of published specifications carried out by NWA Labs, California can also be obtained from the downloads section of www.tannoy.com

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Transducers	
Low Frequency	2x 165mm (6.50") woofers
Mid and High Frequency	1 x 165mm (6.50") point source, constant directivity Dual Concentric™
Construction	
Enclosure	11.5 litre, closed and internally braced MDF enclosure
Finish	Textured black paint White powder coated perforated steel grille, with foam behind
Connectors	Gold plated spring terminals
Dimensions	590 x 345 x 94 mm (H x W x D) (23.23 x 13.58 x 3.70 ") (H x W x D)
Optional Accessory	Pre-installation mounting frame
NET Weight	10.50kg (23.14lbs)

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8000 5340	Definition Install iw63 DC	Black	1

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Product Description

The new Definition Install iw210s in wall subwoofer has been designed to underpin and accompany the existing iw63 DC and iw60 EFX in wall loudspeaker products, delivering effortless and powerful low frequency performance to rival that of many cabinet based models.

At 88dB (1W = 2.83V for 8 Ohms) the direct radiating sub is capable of high output levels (118dB peak), with tremendous dynamics and stunning bass response, while still being agile enough to maintain finer musical detail with precision and speed. From media rooms to home theatre and boardrooms through to high end marine interiors, the iw210s sub delivers class leading accuracy, sensitivity and dynamics, providing a punchy bottom end to any movie soundtrack or music application.

Built around 1 x 250mm (10.00") bass driver and 1 x 250mm (10.00") passive radiator enclosed in an internally braced and comprehensively damped 11.5 litre plywood cabinet, the iw210s comes supplied with a paintable, flush mounting grille designed to blend seamlessly into any space – making it ideally suited to applications where architectural or design sensitivity is paramount.

A unique isolation mounting system optimises low frequency performance by controlling unwanted resonances within the install structure. A mounting frame is available as an optional pre-installation accessory to fit into standard construction 2" x 4" stud walls.

Tannoy's Definition Install range is an outstanding line up of loudspeakers designed to satisfy a variety of installation applications encompassing home theatre, board rooms through to high end marine interiors. The range includes in-cabinet / behind-screen models as well as high performance, fully enclosed in-wall speakers. All offer exceptionally high sensitivity (as high as 98dB 1 Watt @ 1 meter). Two substantial in-cabinet subwoofers complete the extremely capable Definition Install line up.

Features

- 1 x 250mm (10") bass driver
- 1 x 250mm (10") passive radiator
- Recommended Amplifier power 250 – 500 Watts @ 8 Ohms
- Sensitivity 88dB (1W = 2.83V)
- Unique isolation mounting system to control unwanted resonances within the install structure
- Maximum SPL average 112dB
- Grille and baffle can be painted to suit any décor
- Natural, clean and accurate sound
- Low frequency response down to 35Hz (at -3dB)
- Spring loaded gold terminals

Applications

- Home Theatre
- Media Rooms
- Boardrooms
- High end marine interiors
- Dedicated corporate AV

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Definition Install iw210s

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TECHNICAL SPECIFICATIONS

System

Frequency Response (-3dB) ⁽¹⁾	35Hz
Frequency Response (-10dB) ⁽¹⁾	28Hz
System Sensitivity (1W @1m) ⁽¹⁾	88dB (1W = 2.83V for 8 Ohms)
Power Handling	
Average	250W
Programme	500W
Peak	1000W
Recommended Amplifier Power	250 - 500 Watt / 8 Ohms
Rated Maximum SPL ⁽²⁾	
Average	112dB
Peak	118dB
Nominal Impedance	8 Ohms
Driver Complement	1 x 250mm (10") Bass driver 1 x 250mm (10") Passive radiator
Recommended Crossover	80Hz - 250Hz, 24dB/octave Recommended High-pass filter 32Hz, 24dB/octave

Distortion

10% Full Power (14.1V)	2nd Harmonic	3rd Harmonic
40Hz	2.3%	3.4%
100Hz	1.7%	1.4%
1% Full Power (2.83V)	2nd Harmonic	3rd Harmonic
40Hz	2.8%	1.0%
100Hz	2.3%	1.0%

Construction

Enclosure	11.5 litre, internally braced plywood enclosure
Finish	Black paint
Connectors	Gold plated spring terminals
Fittings	8 x Recessed carrying handles 12 x M10 flying inserts
Dimensions	590mm x 345mm x 94mm (23.23" x 13.58" x 3.70")
Shipping Weight	14.0 kg (30.8lbs)
NET Weight	9.5kg (20.9lbs)
Accessories	Installation kit required (not included)

Notes:

(1) Measured on axis in half space.

(2) Unweighted pink noise over stated bandwidth, measured at 1 metre in half space.

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoy.com

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notification

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8000 5350	Definition Install iw210s	BLACK	1

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