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.
Definition Install DC6i

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 from 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
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)
- 1% Full Power (2.81V)

<table>
<thead>
<tr>
<th>Frequency</th>
<th>2nd Harmonic</th>
<th>3rd Harmonic</th>
</tr>
</thead>
<tbody>
<tr>
<td>250Hz</td>
<td>2.4%</td>
<td>0.46%</td>
</tr>
<tr>
<td>1kHz</td>
<td>0.20%</td>
<td>0.53%</td>
</tr>
<tr>
<td>10kHz</td>
<td>1.19%</td>
<td>0.19%</td>
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<td>250Hz</td>
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<td>1kHz</td>
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</tr>
<tr>
<td>10kHz</td>
<td>0.46%</td>
<td>0.07%</td>
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</table>

**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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**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**

<table>
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<tr>
<th>PART NUMBER</th>
<th>MODEL NAME</th>
<th>COLOUR</th>
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<td>6000 5170</td>
<td>Definition Install DC6i</td>
<td>Black</td>
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</table>

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Tannoy adopts a policy of continuous improvement and product specification is subject to change.
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.

**Product Description**
- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors

**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 and marine interiors
TECHNICAL SPECIFICATIONS

System: Definition Install DC8i

- Frequency Range: 62Hz - 45kHz
- System Sensitivity (1W @ 1m): 92dB (1W = 2.83V for 8 Ohms)
- Dispersion (4dB): 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: Average 113dB, Peak 119dB
- Power Handling: Average 130W, Programme 260W, Peak 520W
- Recommended Amplifier Power: 100 - 260W @ 8 Ohms
- Nominal Impedance: 8 Ohms

Distortion:
- 1% Full Power (8.84V):
  - 250Hz: 0.11% (2nd Harmonic 0.47%, 3rd Harmonic 0.18%)
  - 1kHz: 0.12% (2nd Harmonic 0.34%, 3rd Harmonic 0.68%)
  - 10kHz: 0.51% (2nd Harmonic 0.17%, 3rd Harmonic 0.35%)
- 1% Full Power (2.83V):
  - 250Hz: 0.11% (2nd Harmonic 0.15%, 3rd Harmonic 0.15%)
  - 1kHz: 0.12% (2nd Harmonic 0.34%, 3rd Harmonic 0.34%)
  - 10kHz: 0.51% (2nd Harmonic 0.17%, 3rd Harmonic 0.35%)

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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**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)

**Ordering Information**

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Tannoy operates a policy of continuous improvement and product specification is subject to change.
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 and 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.
TECHNICAL SPECIFICATIONS

System
Definition Install DC12i

Frequency Range
50Hz - 38kHz

System Sensitivity (1W @1m) 97dB (1W = 2.83V for 8 Ohms)

Dispersion (4dB)
90 degrees conical

Driver Complement
1 x 300mm (12") point source constant directivity Dual Concentric™

Crossover
Passive 1.4kHz with dynamic HF protection

Dispersion (-6dB)
90 degrees conical

Directivity Factor (Q)
6.0 averaged 1kHz to 10kHz

Directivity Index (DI)
7.4 averaged 1kHz to 10kHz

Rated Maximum SPL
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 (12.6V)
2nd Harmonic 0.53% 0.35%
3rd Harmonic 2.36% 1.88%

1% Full Power (4.0V)
2nd Harmonic 0.17% 0.09%
3rd Harmonic 0.52% 0.09%

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)

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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Further Tannoy offers a policy of continuous improvement and product specification is subject to change.

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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 DS12 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 DS12 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.

### Product Description

- 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

### Features

- Media rooms
- Home theatre
- Boardrooms
- High end marine interiors
Tannoy adopts a policy of continuous improvement and product specification is subject to change.

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>System Type</th>
<th>Definition Install DS12i sub</th>
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<tbody>
<tr>
<td>Frequency Range&lt;br&gt; (1W @ 8 Ohms)</td>
<td>38Hz</td>
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<tr>
<td>System Sensitivity (1W @ 8 Ohms)</td>
<td>94dB</td>
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<thead>
<tr>
<th>Power Handling</th>
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<tbody>
<tr>
<td>Average</td>
<td>400W</td>
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<tr>
<td>Programme</td>
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<tr>
<td>Peak</td>
<td>1600W</td>
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<thead>
<tr>
<th>Recommended Amplifier Power</th>
<th>400 - 800W @ 8 Ohms</th>
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<tbody>
<tr>
<td>Rated Maximum SPL&lt;br&gt;(1W @ 1m)</td>
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<tr>
<td>Average</td>
<td>120dB</td>
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<tr>
<td>Peak</td>
<td>126dB</td>
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<table>
<thead>
<tr>
<th>Nominal Impedance</th>
<th>8 Ohms</th>
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<table>
<thead>
<tr>
<th>Driver Complement</th>
<th>1 x 300mm (12.00”) Bass driver</th>
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</thead>
<tbody>
<tr>
<td>Recommended Crossover</td>
<td>80Hz - 300Hz, 24dB/octave</td>
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| Recommended High-pass filter | 40Hz, 24dB/octave |

<table>
<thead>
<tr>
<th>Distortion</th>
<th>10% Full Power (17.9V)&lt;br&gt;100Hz</th>
<th>2nd Harmonic</th>
<th>3rd Harmonic</th>
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<tbody>
<tr>
<td>40Hz</td>
<td>0.26%</td>
<td>2.26%</td>
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<tr>
<td>1% Full Power (5.6V)&lt;br&gt;100Hz</td>
<td>0.29%</td>
<td>0.60%</td>
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<tr>
<th>Notes:</th>
<th>(1) Average over stated bandwidth. Measured at 1 metre on axis. (2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber.</th>
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</table>

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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)<br>(17.1" x 14.6" x 14.0") (H x W x D)
- **Net Weight**: 21kg (46.3lbs)

### Enclosure Design

- **Enclosure**: 38 litres, internally braced MDF enclosure with 15mm (0.62") panels and 36mm (1.37") front baffle.

### Construction Details

- **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)<br>(17.1" x 14.6" x 14.0") (H x W x D)
- **Net Weight**: 21kg (46.3lbs)

### Ordering Information

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<tr>
<th>PART NUMBER</th>
<th>MODEL NAME</th>
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<td>Definition Install DS12i sub</td>
<td>Black</td>
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Tannoy adopts a policy of continuous improvement and product specification is subject to change.
Definition Install DS15i sub

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.

Product Description
- 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

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

Definition Install DS15i sub data file // issue 1.06 // 15.01.08

Tannoy adopts a policy of continuous improvement and product specification is subject to change.
### TECHNICAL SPECIFICATIONS

**System**
- **System Type**: Subwoofer - Direct Radiating
- **Frequency Range**: 36Hz

**System Sensitivity**
- **(1W @ 2m)**: 96dB (1W = 2.83V for 8 Ohms)

**Power Handling**
- **Average**: 600W
- **Programme**: 1200W
- **Peak**: 2400W

**Recommended Amplifier Power**
- 600 - 1200 W / 8 Ohms

**Rated Maximum SPL**
- **Average**: 124dB
- **Peak**: 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**
- **1% Full Power (21.9V)**
  - 40Hz: 0.33% 0.23%
  - 100Hz: 0.15%

- **2nd Harmonic 3rd Harmonic**
  - 40Hz: 0.53% 0.34%
  - 100Hz: 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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**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)

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**PART NUMBER**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>MODEL NAME</th>
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Tannoy adopts a policy of continuous improvement and product specification is subject to change.

Definition Install DS15i Sub data file: Issue 1.06 / 15.01.08
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.

**Product Description**

- 165mm (6.50”) high sensitivity, point source and constant directivity Dual Concentric™ drive unit (music mode)
- Two 100mm (4.00”) 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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**Installation**

The Definition Install iw60 EFX data file // issue 1.06 // 15.01.08

Tannoy adopts a policy of continuous improvement and product specification is subject to change.
**TECHNICAL SPECIFICATIONS**

**Frequency Response**
110Hz - 23kHz

**Frequency Range**
74Hz - 27kHz

**System Sensitivity (1W @1m)**
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**
- Average: 110dB
- Peak: 116dB

**Power Handling**
- 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: 1.84%
  - 3rd Harmonic: 0.30%
  - 1kHz: 0.34%
  - 10kHz: 0.91%

- 1% Full Power (2.83V)
  - 2nd Harmonic: 0.19%
  - 3rd Harmonic: 0.35%
  - 1kHz: 0.40%
  - 10kHz: 0.46%

**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

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

Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

**System Definition Install iw60 EFX**

**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-lbs (net total volume), closed and internally braced MDF enclosure

**Finish**
Textured black paint

**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)

**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: 1.84%
  - 3rd Harmonic: 0.30%
  - 1kHz: 0.34%
  - 10kHz: 0.91%

- 1% Full Power (2.83V)
  - 2nd Harmonic: 0.19%
  - 3rd Harmonic: 0.35%
  - 1kHz: 0.40%
  - 10kHz: 0.46%

**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

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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**

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*Definition Install iw60 EFX Technical Data File 1 19.01.08*
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.

**Product Description**
- 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

**Features**
- Sensitivity 91dB (1W = 2.83V for 8 Ohms)
- Recommended amplifier power 100 to 200W @ 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
Definition Install iw63 DC

TECHNICAL SPECIFICATIONS

System Definition Install iw63 DC
Frequency Range 54Hz - 40kHz
System Sensitivity (1W @1m) 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 (1)
Average 111dB
Peak 117dB
Power Handling (1)
Average 100W
Programme 200W
Peak 400W
Recommended Amplifier Power 100 - 200W @ 8 Ohms
Nominal Impedance 8 Ohms
Distortion
1% Full Power (8.94V)
250Hz 0.18% 0.08%
1kHz 0.99% 1.05%
10kHz 1.30% 0.16%
1% Full Power (2.83V)
250Hz 0.90% 0.38%
1kHz 0.36% 0.61%
10kHz 0.54% 0.95%
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 NWAA Labs, California can also be obtained from the downloads section of www.tannoy.com

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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 lbs. 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

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Definition Install iw210s

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 96dB 1 Watt @ 1 meter). Two substantial in-cabinet subwoofers complete the extremely capable Definition Install line up.

Product Description

- 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
- Grilles and baffles can be painted to suit any décor
- Natural, clean and accurate sound
- Low frequency response down to 35Hz (at -3dB)
- Spring loaded gold terminals

Features

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

Applications

- 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
- Grilles and baffles can be painted to suit any décor
- Natural, clean and accurate sound
- Low frequency response down to 35Hz (at -3dB)
- Spring loaded gold terminals

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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 2.3% 3rd Harmonic 3.4%
40Hz 1.7% 1.4%
100Hz 2.3% 1.0%

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

Construction

Enclosure
11.5 lbs, 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 impulse 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

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