



# Spec Sheet

## DVA T12

Active 3-Way Line Array Module  
1x12"/2x6.5"/3x1", 1410W **Digipro G2**



### Applications

- Sound reinforcement for large size venues
- Installations in clubs, theatres, houses of worship
- Upfill/long throw coverage in combination with T8s or T4s systems

### Features

- Fully powered three-way unit
- Switched Mode Power Supply (SMPS) with PFC (works from 90V to 240V)
- 1410W Class-D Digipro G2 amplifier
- Remotable with on-board RDNet port
- 56bit DSP - 24bit\48KHz A/D conv.
- 9 on-board preset equalizations for a fast and easy setup
- Hardware and acoustical design is compatible with DVA T series systems

### Description

DVA T12 is a step up the evolutionary ladder from the successful DVA T4 line array system. Although it provides more power and has greater range, its active three-way design makes it just as easy to set up and install as its predecessor.

DVA T12 features state-of-the-art neodymium speakers and high-performance digital amps with total of 1,410W output power.

In combination with top-drawer DSP and premium quality AD-DA converters, it delivers high-definition sonic images with massive SPL for large sound reinforcement applications.

Weighing just 29kg, this remarkably compact unit belies its unobtrusive look by enabling you to set up very powerful line arrays that deliver extraordinary performance.

A 12" neodymium woofer in a band-pass housing covers the low frequency range. Remarkably powerful, it packs an assertive punch that reaches down to 60 Hz to enable full-range applications. The 12" woofer is slanted inside the housing, giving the cabinet a lean, unobtrusive look.

The DVA T12 has two 6.5" neodymium midrange, which are placed close together to maximize coherent coupling and response for those critical midrange frequencies. The speaker resides in a sealed basket to optimize the displacement volume. This makes the midrange even more responsive. With a high BL factor, it reacts far faster to transients and renders each attack with awesome accuracy. Both 6.5" midrange are equipped with an optimized phase plug and feed into a frontloaded horn to achieve a uniform coverage pattern.

The 1" neodymium HF drivers feature 1.4" Mylar diaphragms. Exceptionally light and responsive, they deliver richly detailed signals with remarkably linear frequency response. Specially developed for use in line arrays, these ultra compact drivers may be deployed in very close proximity to one another. This is essential to minimize interference in such arrays.

The DVA T12 is loaded with three HF drivers tuned specifically for the custom designed array horn. This combination maximizes the coupling of the drivers outputs and extends the range of the HF signal.

# DVA T12

## Technical Specifications

### System Specifications

|                                  |   |   |
|----------------------------------|---|---|
| Loudspeaker Type                 | Three-way Active line array module  |   |
| Max SPL                          | 136 dB  |   |
| Frequency Response ( $\pm 3$ dB) | 60Hz - 19 kHz   |   |
| Inputs                           | 1x XLR<br>1x RJ45 (RDNet input)   |   |
| Input Sensitivity                | Nominal   | 0 dBu   |
| Outputs                          | 1x XLR<br>1x RJ45 (RDNet link)  |   |
| Controls                         | 1x Input Sensitivity rotary<br>1x EQ rotary switch (9 presets)<br>1x USB type "B" port (service data) |   |
| Drivers                          | LF<br>MF<br>HF  | 1x 12" neodymium woofer - 3" v.c.<br>2x 6,5" neodymium midrange - 2" v.c.<br>3x 1" neodymium CD - 1.4" v.c. |
| Dispersion pattern               | (HxV)   | 100° x 10°  |

### Amplifier

|                   |  |  |
|-------------------|--|--|
| Amplifier         | Class-D Digipro G2™                              |  |
|                   | RMS Power  | 1410 Watt  |
|                   | Peak Power                                       | 2820 Watt  |
|                   | LF   | 710 W/RMS  |
|                   | MF   | 350 W/RMS  |
|                   | HF   | 350 W/RMS  |
| Power Connections | Power-con (in and out)                           |  |
| Power supply      | Main PSU<br>Logic and control PSU                | 1500W SMPS full-range with active PFC (100V-240V~)<br>15W SMPS full-range (100V-240V~) |
| Cooling           | Convection, fan-free                             |  |
| Advanced Features | Intelligent Power On Sequence (I.P.O.S.) circuit |  |

### Processor

|                    |  |   |
|--------------------|--|---|
| Audio Processing   | DSP<br>A/D conv.   | 28/56bit with double precision filters<br>24 bit/96 kHz |
| X-over frequencies | LF-MF<br>MF-HF   | 420Hz, 24dB/oct.<br>1900Hz, 24dB/oct.                   |
| Limiter            | Dual active - Multiband - RMS/Peak - Thermal                           |   |
| Audio Presets      | 9 Audio Presets (8x HF and Lo-Mid correction and 1 for User Custom EQ) |   |
| Remote control     | RDNet control (read/write data in real time)                           |   |

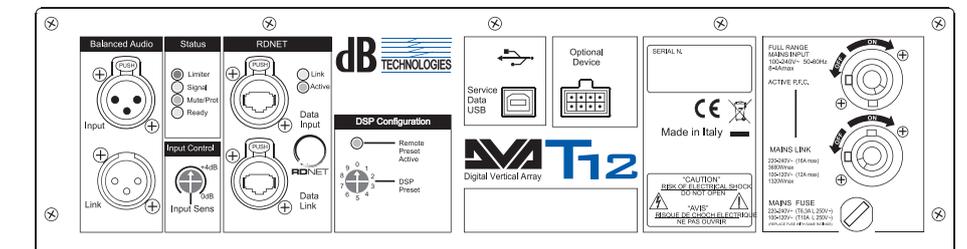
### Mechanics

|                        |  |   |
|------------------------|--|---|
| Dimensions (W x H x D) | 580 x 386 x 430 mm<br>22.83 x 15.20 x 16.33 in |   |
| Weight                 | 29.9 kg - 65.92 lbs.                           |   |
| Enclosure              | Box<br>Internal structure<br>Flying support    | Polypropylene PP<br>Metal reinforced<br>Steel |
| Handles                | 1x left side<br>1x right side                  |   |
| Splay Angles           | 0° - 1.5° - 3° - 4.5° - 6° - 8° - 10°          |   |
| Fittings               | Integrated hardware                            |   |

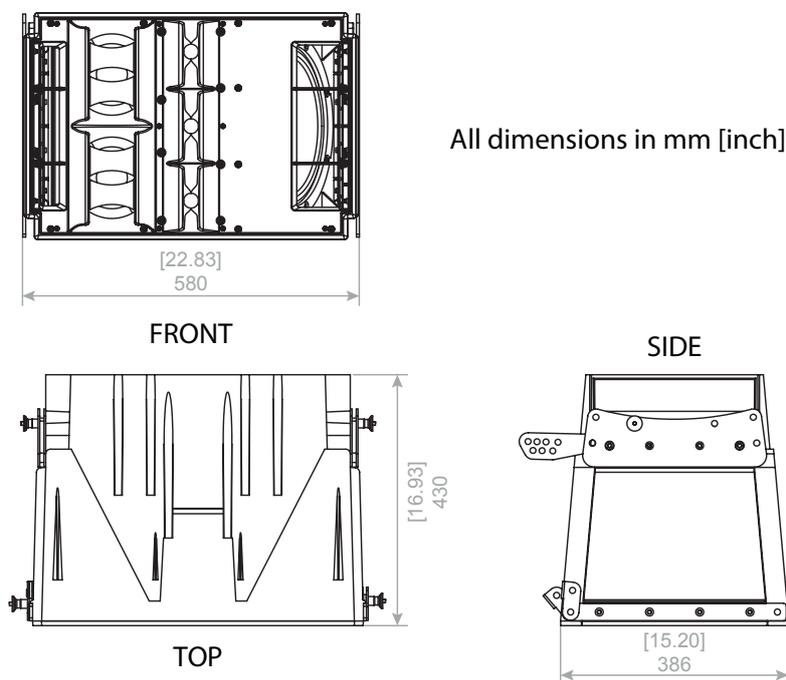
# DVA T12

## Technical Specifications

### Rear Panel



### Overall Dimensions



### Accessories

|               |   |
|---------------|---|
| ADTF-2        | Flight case for 2 DVA T12 modules   |
| ADTF-3        | Flight case for 3 DVA T12 modules   |
| AFL 05        | Powercon-Powercon link cable. 1,5m lenght   |
| DCK 27        | Cable-set for DVA T12 containing 2 x Powercon links 70cm blue/grey, 2 x XLR M/F 70 cm |
| DCK 45        | Set with 1xPowercon/IEC Plug cable 10m, 3x Powercon slave 50cm, 3xXLR cable 50cm      |
| DRK-10        | Fly bar for DVA systems. Designed to hang up to a maximum weight of 250 Kg            |
| DRK-20        | Fly bar for DVA systems. Designed to hang up to a maximum weight of 1800 kg           |
| DRK-20M       | Motoryzed fly bar for DVA systems with RDNet control. Maximum weight of 1000 kg       |
| DT 6          | Metal trolley to carry up to 6 DVA T4/T8 modules or up to 4 DVA T12 modules           |
| RDC-45F       | RJ45 to XLR 3 poles female conversion cable, 6 cm lenght                              |
| RDC-45M       | J45 to XLR 3 poles male conversion cable, 6 cm lenght                                 |
| RJ45-RJ45-150 | RJ45-RJ45 link cable (150cm) for RDNet-equipped speakers                              |
| RJ45-RJ45-75  | RJ45-RJ45 link cable (75cm) for RDNet-equipped speakers                               |

[info@dbtechnologies.com](mailto:info@dbtechnologies.com) [www.dbtechnologies.com](http://www.dbtechnologies.com)

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