



## V7 Hearing Loop Driver

Our highly efficient and compact V7 is a constant current, single output hearing loop driver, suitable for smaller facilities and venues.

It has a Class-D amplifier output stage and an audio subsystem built around an advanced DSP core. Combined with a powerful CPU to ensure peak performance, the V7 uses cutting edge technology proven in the pro audio world to achieve life-like speech and first-class music reproduction.

### Features

- DSP controlled automatic gain control and high frequency compensation for metal loss
- Class-D amplifier output stage capable of delivering  $5A_{RMS}$  @  $>7V_{RMS}$
- Ultra-efficient power utilisation (up to 90% efficient)
- True constant current output stage
- Simple user interface
- Backlit LCD display
- Sleep mode
- Continuous self-testing
- Integrated protection circuits with temperature, voltage, short circuit and DC detection
- Compact half-width 1U chassis (compatible 6U Rack Cabinet available upon request)

### Components

- V7 Hearing Loop Driver
- PS-55 Power Supply

V7-UK / V7-EU / V7-AUS / V7-USJ

### Applications

Suitable for smaller sized facilities such as:

- Meeting rooms
- Classrooms
- Care & nursing rooms
- Waiting rooms

### Voltage and Current

- $>7.5 V_{RMS}$  @  $5A_{RMS}$

### Standards

- BS EN 55103-1: 2009 (EMC emissions)
- BS EN 55103-2: 2009 (EMC immunity)
- FCC class "B" EMC (emissions)
- ICES-003
- IEC 60118-4 (in correct installations)
- IEC 62489-1

### Accessories

- Single V-Series Mounting Bracket [MBR-V1]
- Dual V-Series Mounting Shelf [MBR-V2]
- Blanking Plate for Dual V-Series Mounting Shelf [MBR-VBLANK]
- 6U Rack Cabinet [IL-AC-RACK-19]

Talk to us now:  
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 +1 616 392 3400 (US & Canada)  
[www.contacta.co.uk](http://www.contacta.co.uk)

## Physical Data

|              |  |
|--------------|--|
| Dimensions   | Height – 42mm (1.65")<br>Width – 196mm (7.80")<br>Depth – 132mm (5.20") [150mm (5.90") incl. XLR and control dial] |
| Weight       | 938g (2.06lbs)   |
| Construction | Mild Steel   |
| Finish       | Black Powder Coated  |

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## Technical Data

|                                 |  |  |
|---------------------------------|--|--|
| Power Supply                    | 30W 14Vdc 2.14A via External PSU (PS-55)<br>Class 6 External PSU (100V-240V AC 50Hz-60Hz)                        |  |
| Inputs                          | 1 X Balanced Line Level (3 Pin Euro-Block)<br>or<br>1 X Balanced Line Level (XLR) [optimised for -10dBV to 0dBv] |  |
|                                 | 1 X Mic Level (12V phantom power via 680Ω) [optimised for levels above -45dBv]                                   |  |
|                                 | 1 X DC Input   |  |
| Outputs                         | 1 X Loop Output (5.08mm Euro-Block)  |  |
| Loop Output Characteristics     | Voltage  | 7.5Vrms (21.21Vpk-pk) @ 5Arms (14.14Apk-pk)* |
|                                 | Current  | 5Arms (14.14Apk-pk) up to 300 seconds*       |
|                                 | Loop Connector   | 5.08mm Euro-block                            |
| Audio System                    | Frequency Response   | 80Hz to 6.5kHz                               |
|                                 | Distortion   | THD+N <1% (-40dB)                            |
|                                 | AGC  | Peak detecting                               |
|                                 | HF Comp  | 7 optimised stages                           |
| Display & Controls              | Display  | LED Backlit LCD display                      |
|                                 | Control  | Single rotary control                        |
| Fault Monitoring and Protection | Main Display   | Open circuit loop (DCR measurement)          |
|                                 |  | Loop ground fault                            |
|                                 | Front Panel LED  | Output voltage clipping                      |
|                                 | Cooling  | Internal heatsink with thermal protection    |

\*Note 1: Z=1.4Ω (133uH +0.685Ω @ 1.6kHz) Note 2: < 1% (-40dB) distortion)

## Rear Connections



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