



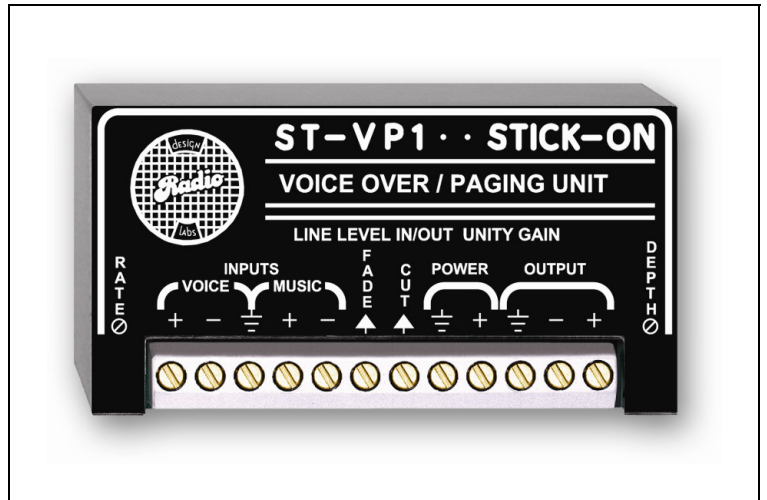
RDL[®]
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON[®] SERIES Model ST-VP1 Voice-Over/Paging Module

ANYWHERE YOU NEED...

- High Quality Voice-Over Mixing
- Noiseless Paging
- A Single Input Adapted for Paging or Voice-Over
- Selectable Fade-Under or Hard-Cut
- Adjustable Fade Depth and Rate
- Soft Audio Switching



You Need The ST-VP1!

APPLICATION: The ST-VP1 is part of a group of products in the STICK-ON series from Radio Design Labs. The durable bottom adhesive permits quick, permanent or removable mounting nearly anywhere or use it with RDL's racking accessories. The ST-VP1 offers the ultimate in quality preset mixing functions for voice-over and paging applications, with a big *plus*, you can put it right where you need it!

FUNCTIONAL DESCRIPTION: The exceptional audio quality together with the reasonable cost of the ST-VP1 makes it equally useful in voice-over studio recording applications and in paging installations. The module is a line-level device with two inputs; **MUSIC** and **VOICE**. The **MUSIC** input normally feeds the output when no control option is selected. Two control options are available; **FADE** and **CUT**. When **FADE** is externally selected (**FADE** terminal connected to ground), the **MUSIC** source is faded down, and the **VOICE** source is turned on. When the **FADE** terminal is released, the voice source is turned off and the music source fades back up. The fade rate, and fade depth are both adjustable on multi-turn trimpots. When the **CUT** terminal is selected (**CUT** terminal connected to ground), the music source is switched off and the voice source is switched on. When the **CUT** terminal is released, the voice source is switched off and the music source is restored. All switching and fading is accomplished electronically for noiseless operation.

PAGING APPLICATION: The ST-VP1 can be wired to constantly feed a line-level input of a paging amplifier. Line-level music and voice sources feed the module. The voice source may be a telephone paging signal at line level, or a microphone which has been preamplified up to line-level (See RDL STM-1, STM-2, STM-2X, STM-3 Microphone Preamplifiers). If the professional sound of music fading under the page is desired, the **FADE** terminal is used to select the page function. If a *hard-cut* is desired to get people's attention for emergency pages, the **CUT** terminal can be used. Innovative systems can be created by cascading modules for prioritized messages. A two-unit system would incorporate a ST-VP1 to operate the music fade for insertion of messages from a message repeater. The output of this module would feed a second ST-VP1 used in the *cut* paging. In this way, messages can be professionally mixed with background music, while attention-getting pages always take priority.

RECORDING APPLICATION: Many recording applications, such as narrations or commercial announcements, as well as on-air broadcast, use can be enhanced by uniform voice-over audio levels and fades. The superb audio clarity of the ST-VP1 makes it useful as the final mix device in this type studio. Using the ST-VP1 to mix the studio mic in after the studio mixer output can permit processing of the mic signal separate from the studio mixer. The ST-VP1 can be used together with other Stick-On modules for creative control. Microphone signals can be tailored and controlled with modules such as the STM-2 Mic Preamplifier, ST-EQ3 Equalizer and ST-CL1 Compressor/Limiter. Control of the ST-VP1 can be made convenient for announcers by using a lighted momentary pushbutton together with an ST-LCR2 alternate-action relay for control. The ST-VP1 can be the heart of many innovative systems in quality voice recording and broadcasting!

STICK-ON[®] SERIES

Model ST-VP1

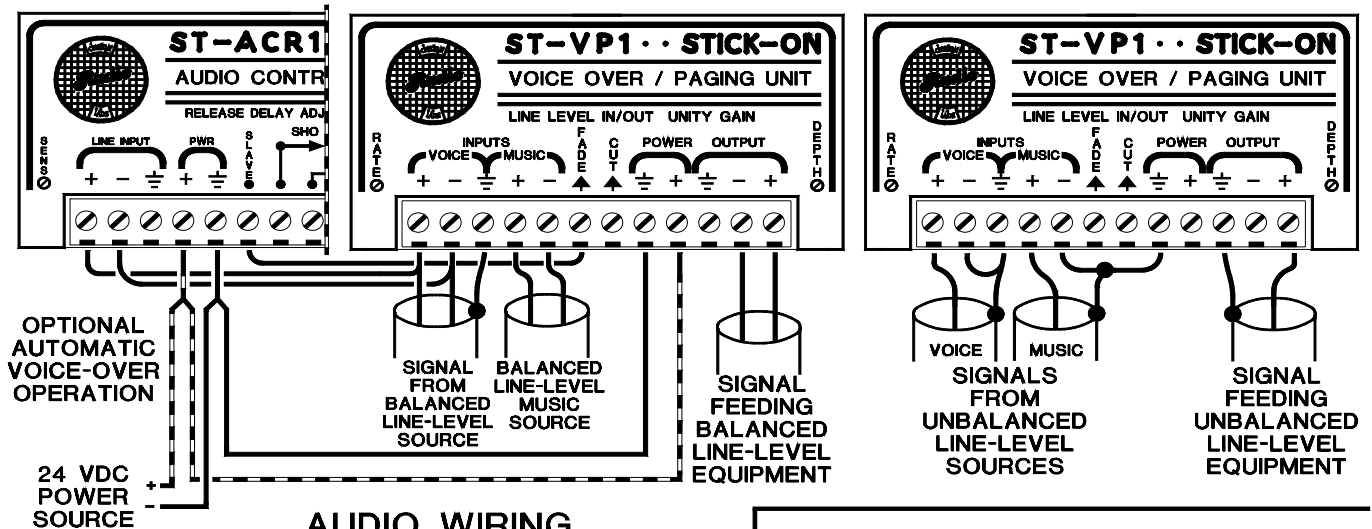
Voice-Over/Paging Module

Installation/Operation

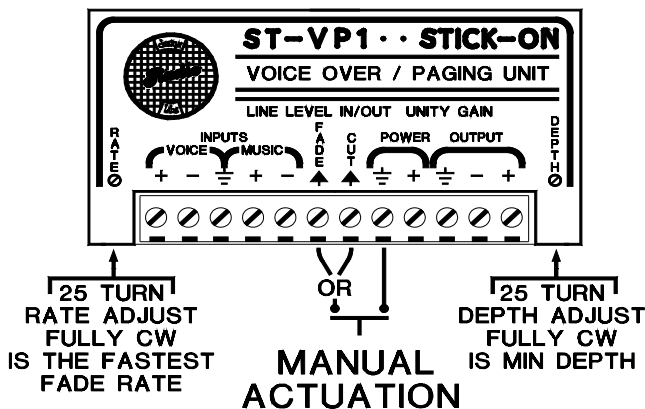


EN55103-1 E1-E5; EN55103-2 E1-E4

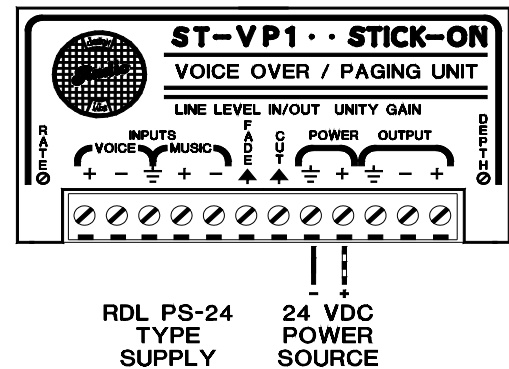
Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.



AUDIO WIRING



MANUAL ACTUATION



SUPPLY WIRING

TYPICAL PERFORMANCE

COMMON:

Noise:

Input Level:

Headroom:

Output:

Gain:

Fade Rate:

Fade Depth:

MUSIC SOURCE:

Frequency Response:

THD:

Attenuation When Muted:

VOICE SOURCE:

Frequency Response:

THD:

Attenuation When Muted:

Power Requirement:

< -85dB (below +4 dBu output)

+ 4dBu balanced (may be connected unbalanced)

> 18dBu above +4 dBu

+4 dBu balanced (may be connected unbalanced)

Unity (balanced)

Adjustable 0.3 sec. to 1.3 sec. (for 20 dB fade)

Adjustable 0.2 sec. To 1.0 sec. (for 12 dB fade)

Adjustable 3 dB to 40 dB (Music Input)

10 Hz to 20 kHz (+/- 0.25 dB)

< 0.010%

> 65dB

30 Hz to 20 kHz (+/- 0.25 dB)

< 0.010%

> 80 dB

24 to 33 Vdc @ 45 mA, Ground-referenced

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