

# POTTER

*The Symbol of Protection*



## Potter Integrated Voice Systems

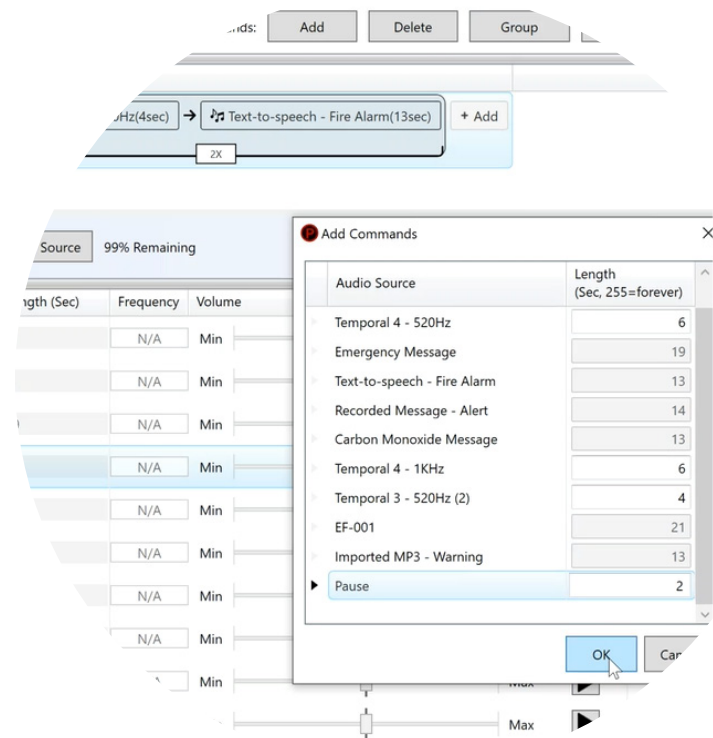


# Unparalleled Software Features

## Audio Patterns /

Audio patterns provide a user-friendly interface for creating, organizing, and editing audio messages. Users can click and drag audio sources onto a timeline allowing multiple, nested audio loops. Patterns can be played from within the software to test before uploading to the panel. Audio sources include predefined messages and tones, imported audio or tone files, text-to-speech, and audio recorded directly in the programmer.

When changes to individual audio sources are required, patterns are automatically updated in real time, preventing outdated messages from being deployed. Additionally, users no longer need to know the sample rate of audio files, simplifying the import process.



## Text-To-Speech /

Potter's exclusive text-to-speech feature allows in-software creation of spoken audio messages, avoiding the need for complicated 3rd party software or expensive voice artists. By utilizing the WaveNet neural network, our voice panels can generate speech that sounds more natural than other text-to-speech systems, producing human-like emphasis and inflection on syllables, sounds, and words.

Speech generation is created entirely within Potter's programming software with an easy, point-and-click interface. Multiple voices, genders, and accents can be selected allowing your system to match customer and locality preferences. Additionally, rate of speech can be selected providing fine-tuned intelligibility. Simply type your message and within seconds, it's ready to preview, save, and deploy.



# Integrated Voice Panels



## IPA-4000V /

- **IPA EXCLUSIVE** WaveNet Text-To-Speech audio messages
- Up to 31 amplifiers
- Industry leading 8 speaker circuits per amplifier for up to 248 total Class B or Class A circuits



## AFC-1000V /

- Up to 10 amplifiers
- Industry leading 8 speaker circuits per amplifier for up to 80 total Class B or Class A circuits

## Both platform options provide all these great features:

- 2 hours of message storage capacity
- Capacity for 255 custom audio patterns
- Up to 104 programable push buttons for speaker zone and ECS assignment
- Auxiliary input to interface with external audio sources and background music installations
- Compatible with PotterNet software for alternative paging and MNS solutions
- UL 864 – Control Units and Accessories for Fire Alarm Systems
- UL 2572 – Mass Notification Systems
- UL 464 – Audible Signaling Devices and Low Frequency

## Built on an industry-leading backbone /

By building on the familiar and powerful IPA and AFC series hardware, Potter's Integrated Voice platform delivers all your favorite features:

- Use state-of-the-art addressable sensors and control modules which utilize the robust PAD protocol to provide you the flexibility needed to tackle demanding applications
- From 1,270 to 4,064 addressable points, you can be sure that your fire system is ready to tackle jobs of any size and scope
- With industry leading IP technology, take advantage of Potter's multiple remote monitoring and control solutions as well as email notifications and reminders



# Amplifiers

## SCA /



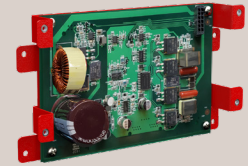
- Single Channel
- 25W, 50W, and 100W models
- 25V or 70V Selectable models

## DCA /



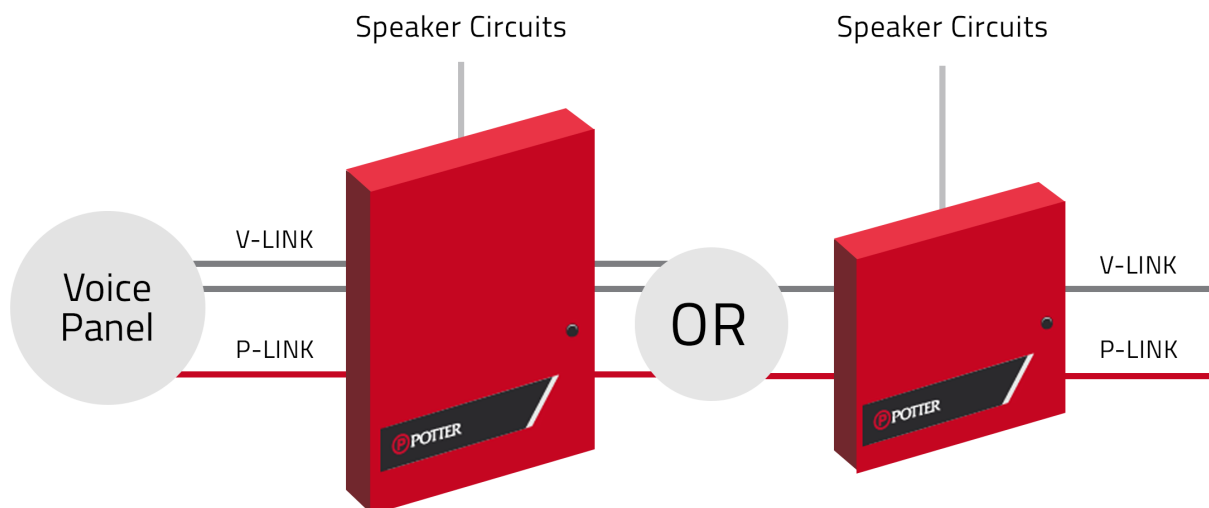
- Dual Channel
- 50W or 100W models
- 25V
- 70V capable with optional 70V-1000 converter
- Backup amplification using BUA-1000 module

Potter provides a large selection of single and dual channel amplifiers to support small, medium, and hi-rise applications. With available wattages up to 100W and support for both 25VRMS and 70VRMS output voltages, you can be sure that your integrated voice system can adapt to nearly any project. With up to 31 amplifiers per system and an industry leading 8 speaker circuits per amplifier, our systems are truly unmatched in size and capacity. Additionally, dual channel amplifiers can simultaneously instruct evacuation zones and alert other zones of potential emergency, saving the need for multiple amplifiers. The amplifiers receive data from the voice panel via the P-Link circuit. Low-level audio is delivered via one (single channel) or two (dual channel) V-Link circuits. All circuits have a maximum rated distance of 6500'.



## BUA-1000 /

The BUA-1000 backup amplifier provides a failsafe solutions for potential lapse in service and is compatible with the DCA dual channel amplifiers.



# Integrated Voice Accessories



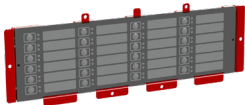
## Local Operator Console /

Potter's LOC-1000 Local Operator Console is used to allow the system to be controlled from remote areas. The programming software allows a high, medium, and low prioritization scheme to gain control of the system. Up to 30 LOC-1000s can be added to a system, creating a robust remote interface for even the largest of installations.



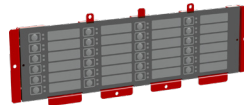
## FFT-1000 /

The Potter's FFT-1000 Fire Fighter Telephone system provides a reliable method for responders to communicate over a fire fighter's handset from remote areas. The FFT-1000 comes in both left and right hinged orientations for convenient and accessible mounting next to the voice panel. When used with Potter Integrated Voice Systems, the unit can operate as a P-Link device, utilizing a 4-terminal power and data connection with a maximum run of 6,500 feet. Alternatively, it can act as a standalone device for use in any voice system. With up to 96 Class B or Class A phone circuits, the FFT-1000 allows responders to answer up to 5 phones at one time.



## SB-24 /

The SB-24 provides 24 programmable push buttons for speaker zone and ECS message assignment. Each button has two corresponding status LEDs to indicate activity and trouble conditions. The SB-24 is equipped with a bracket for secure mounting. A maximum of four (4) SB-24's may be installed on the IPA-4000V and LOC-1000.



## FSB-24 /

The FSB-24 switch board provides 24 programmable push buttons for phone circuit assignment. Each button has two corresponding LEDs to indicate activity and trouble conditions. The FSB-24 is equipped with a bracket for secure mounting. A maximum of 4 FSB-24's can be installed within an FFT-1000R and FFT-1000L.



## FFT-EXP /

The FFT-EXP is an expander module that provides 12 Class B or 6 Class A phone circuits. The expander module connects to the FFT-1000 through the F-Link and Voice terminals and is expandable up to 6 devices for Class B systems and up to fourteen (14) for Class A systems. A maximum of 2 FFT-EXP's can be mounted in the FFT-1000. Additional FFT-EXP's may be mounted in the AE-8 and AE-14 remote cabinets. All FFT-EXP's must be installed in the same room within 20 feet of the FFT-1000 and wiring must run in conduit.



## 70V-1000 /

The 70V-1000 is connected to the DCA-5025 and DCA-10025 using an 8 pin ribbon cable. The connection is supervised, and power limited. The 70V-1000 must be mounted in the DCA enclosure. The module is equipped with a bracket for secure and accessible mounting.




At Potter Electric Signal Company,

**QUALITY** is the first order of business. Since 1898, we have served the fire and security industries on a worldwide basis. Today, we produce a wide array of products including the most innovative IP-based fire alarm control systems, integrated voice systems, and monitoring devices. At Potter, we supply our customers with products that provide real world solutions for their unique needs and strive to provide them unequaled service and technical support.

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## Features

- Master Mic Control
- 16 Switch Control Points
- Dual Channel DMR and Audio Interface
- High Speed Communication Loop
- 25/50/100 Dual or Single Watt Amplifier (200W Single Channel optional), Dual/Single Amplification
- Configuration for 4 or 8 Output Zones
- 120 VAC Power Supply and Battery Charger
- Live Microphone Override of Message and Tone
- Compatible High Reliability, No Maintenance, Fully Supervised
- Easy Installation and Operation
- Studio Quality Voice Recordings Built in Alarm and Alert Signals



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## Description

The PVC MP and DP panels operate with any Fire Alarm Control Panel (FACP) and provide 25, 50 or 100 Watts of speaker power. The panel has its own power supply and battery charger. The panel must be wired with 120 or 240 VAC and standby batteries connected. The PVC panel is housed in a surface or semi-flush mounted backbox with a hinged and key locked door.

The PVC-MP Master Panel (PVC-MP) utilizes a Master Mic control with 16 switch control points along with a dual channel DMR and a high speed communication loop. Maximum system configuration allows up to 1,000 switch/input points, and an integrated fire phone is available as an option.

The PVC-DP Distributed Panel has 4 output zones available and can be configured for 8. The panel has dual channel audio interface and dual (25/50/100W available) or single (25/50/100/200W available) channel amplification options. An integrated Fire Phone is optional, as well as 4 circuits expandable to 8, 12 or 16. with a maximum system configuration of up to 256 PVC-DP panels.

## Technical Specifications

Dimensions	14.5" x 27" x 4" (W x H x D)
Primary Power	120 VAC
Battery Power	24 VDC
Electrical Ratings	All circuits @ 24VDC
Voltage	5V peak to peak max
Frequency	1.024MHz
Current	50mA max.
Impedance	120 Ohms (max between panels)
Battery Charging	EVX-25/50: 800mA, maximum battery size 17Ah EVX-100: 1A, maximum battery size 24Ah
Communications Bus	RS-485 standard, 1M Baud data rate, low capacitance cable
Color	Red

### PVC-MP Master Panel Configurations

PVC-MP16 Master Panel, 16 Switch Control  
 PVC-MP32 Master Panel, 32 Switch Control  
 PVC-MP48 Master Panel, 48 Switch Control  
 PVC-MP64 Master Panel, 64 Switch Control  
 PVC-MP80 Master Panel, 80 Switch Control  
 PVC-MP96 Master Panel, 96 Switch Control

PVC-MP16/P Master Panel, 16 Switch Control,  
Master Fire Phone  
 PVC-MP32/P Master Panel, 32 Switch Control  
Master Fire Phone  
 PVC-MP64/P Master Panel, 64 Switch Control  
Master Fire Phone  
 PVC-MP80/P Master Panel, 80 Switch Control  
Master Fire Phone  
 PVC-MP96/P Master Panel, 96 Switch Control  
Master Fire Phone

### Panel Options

*Cards may be added as job requirements demand.*

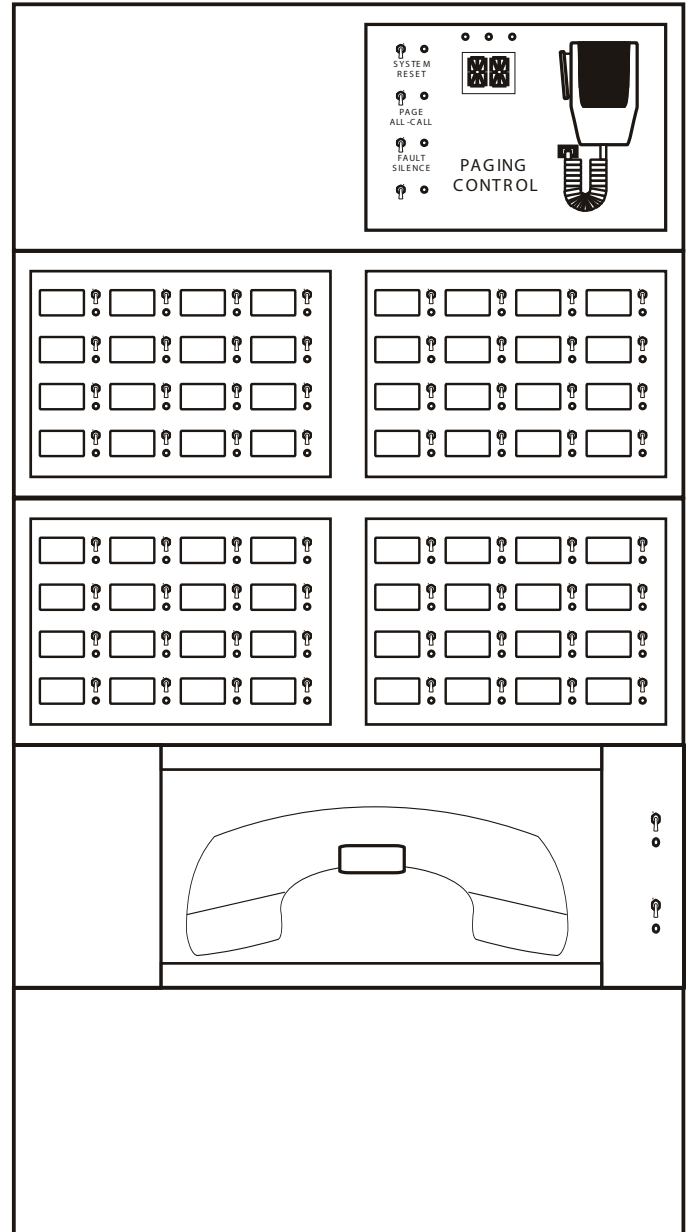
PVC-MFP Master Fire Phone  
Enables system to incorporate 2 way communication. Included with /P panels.

PVC-SSC Switch Scan Card  
Included in basic panels, up to 7 additional cards may be added.

PVC-SLC Switch LED Card  
16 Switch LED Bank, up to 8 per PVC-SSC.

PVC-II Audio Module Interface Card  
One included with basic panel, additional cards give 16 control inputs each. Maximum of 8.

PVC-MP Master Panel Current for Components		
Component	Standby	Alarm
DCC	80 mA	80 mA
ASC	30 mA	30 mA
MFP	10 mA	10 mA
SSC	25 mA	25 mA
SLC	6 mA	6 mA
MMC	45 mA	45 mA
IOI	20 mA	20 mA



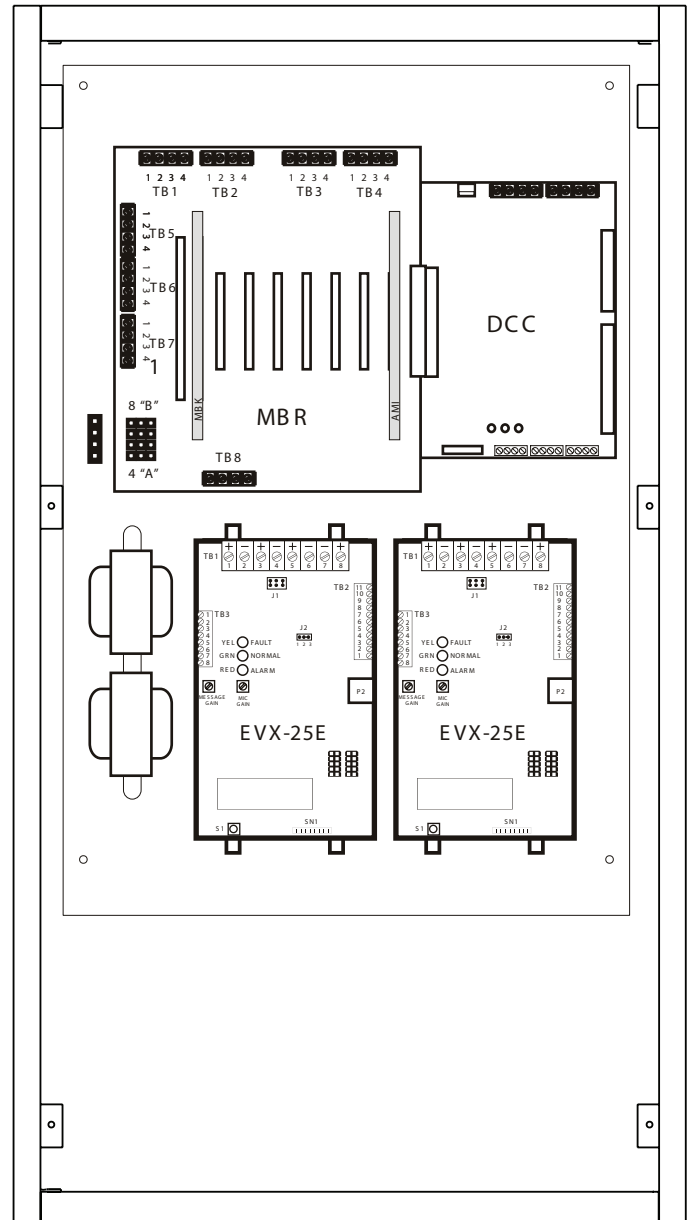
**PVC-DP Distributed Panel Configurations**

- PVC-DPS25 Distributed Panel, Single Channel, 25W
- PVC-DPS50 Distributed Panel, Single Channel, 50W
- PVC-DPS100 Distributed Panel, Single Channel, 100W
  
- PVC-DPS25/P Distributed Panel, Single Channel, 25W, Fire Phone
- PVC-DPS50/P Distributed Panel, Single Channel, 50W, Fire Phone
- PVC-DPS100/P Distributed Panel, Single Channel, 100W, Fire Phone
  
- PVC-DP25 Distributed Panel, Dual Channel, 25W
- PVC-DP50 Distributed Panel, Dual Channel, 50W
- PVC-DP100 Distributed Panel, Dual Channel, 100W, Single Channel 200W
  
- PVC-DP25/P Distributed Panel, Dual Channel, 25W, Fire Phone
- PVC-DP50/P Distributed Panel, Dual Channel, 50W, Fire Phone
- PVC-DP100/P Distributed Panel, Dual Channel, 100W, Fire Phone, Single Channel 200W

**Panel Options**

*Cards may be added as job requirements demand.*

- PVC-MBK Motherboard Relay card  
Expands MBR output to 8 Class B or 4 Class A circuits.
  
- PVC-FPI Fire Phone Interface Card  
Included in /P panels, up to 3 additional cards may be added.
  
- PVC-FPO Fire Phone Output Card  
Used with additional PVC-FPIs for termination.
  
- PVC-II Audio Module Interface Card  
Included with basic panel, additional cards give the ability to control multiple modules.



PVC-DP Distributed Panel Current for Components		
Component	Standby	Alarm
DCC	55 mA	55 mA
MBR	10 mA	55 mA
AMI	10 mA	10 mA
FPI	13 mA	13 mA

**Ordering Information PVC-MP**

Description	Stock No.
Master Panel, 16 Switch Control	PVC-MP16
Master Panel, 32 Switch Control	PVC-MP32
Master Panel, 48 Switch Control	PVC-MP48
Master Panel, 64 Switch Control	PVC-MP64
Master Panel, 80 Switch Control	PVC-MP80
Master Panel, 96 Switch Control	PVC-MP96
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP16/P
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP32/P
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP64/P
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP80/P
Master Panel, 16 Switch Control, Master Fire Phone	PVC-MP96/P

**Ordering Information PVC Panel Options**

Description	Stock No.
Master Fire Phone	PVC-MFP
Switch Scan Card	PVC-SSC
Switch LED Card	PVC-SLC
Audio Module Interface Card	PVC-II
Motherboard Relay Card	PVC-MBK
Fire Phone Interface Card	PVC-FPI
Fire Phone Output Card	PVC-FPO
Audio Module Interface Card	PVC-AMI

**Ordering Information PVC-DP**

Description	Stock No.
Distributed Panel, Single Channel, 25W	PVC-DPS25
Distributed Panel, Single Channel, 50W	PVC-DPS50
Distributed Panel, Single Channel, 100W	PVC-DPS100
Distributed Panel, Single Channel, 25W, Fire Phone	PVC-DPS25/P
Distributed Panel, Single Channel, 50W, Fire Phone	PVC-DPS50/P
Distributed Panel, Single Channel, 100W, Fire Phone	PVC-DPS100/P
Distributed Panel, Dual Channel, 25W	PVC-DP25
Distributed Panel, Dual Channel, 50W	PVC-DP50
Distributed Panel, Dual Channel, 100W, Single Channel 200W	PVC-DP100
Distributed Panel, Dual Channel, 25W, Fire Phone	PVC-DP25/P
Distributed Panel, Dual Channel, 50W, Fire Phone	PVC-DP50/P
Distributed Panel, Dual Channel, 100W, Fire Phone, Single Channel 200W	PVC-DP100/P