Bogen’s UTI1 is a single-zone telephone interface that is compatible with all standard analog port types. A background music (BGM) input with variable muting coordinates music and page announcements. An additional audio output provides a “page only” function (no BGM) for application flexibility. A built-in 24V DC, 1A power supply is provided for powering amplified speakers. Paging volume controls are provided for each of the outputs. An output limiter function, with limiter active indicator, provides consistent page volume regardless of loud or soft paging announcements. Contact triggered tones and night ring signals, as well as programmable AUX relay contacts, are all programmed using DTMF tones through the dual purpose override input. Plug-in terminal strips provide for easy installation. An optional security cover/rack mount kit (RPKUTI1) is available.

UTI1 Control Panel

**FEATURES:**
- Emergency override & general paging
- Interfaces to Loop Start, Ground Start, Analog Station, and Page Ports (with or without contact closure activation)
- Simple 2-switch interface setup
- Background music (BGM) input with level control and variable muting
- Separate Page & BGM and Page Only (no BGM) outputs
- Level control for each output
- 24V DC, 1A power supply
- 150 Speaker T/R drive capacity per output
- Page level limiter with active indicator
- Adjustable automatic level control
- Override input (loop start or page port)
- Contact triggered Night Ring input
- Programmable AUX Relay
- Pre-announce/confirmation tone
- Tone burst (2 to 7 sec), chime, and slow whoop tone selections
- Microcontroller operated, DTMF programmable
- Night ring tone or chime selection
- Setup test tone
- Pluggable terminal strip connectors
- Programming through override jack
- Programmable through override jack
- Programmable trunk port timeout
- Responds to CPC disconnect signal
- Wall-mount design
- Rack-mountable with RPKUTI1 kit (optional)
- FCC registered
- C-UL, listed for US and Canada

**Accessories**

RPKUTI1
Security Cover & Rack Mount Kit
(sold as set)

**Power Requirements** | **Dimensions** | **Product Weight**
--- | --- | ---
120V AC, 0.5A | 12-⅛" W X 5-⅛" H X 2-⅛" D | 5 lb.
Multi-Zone Telephone Interface

Multi-Zone Universal Telephone Interface

**UTI312**

Bogen’s **UTI312** is a multi-zone paging controller with universal telephone interface. It is expandable from 3 to 12 zones in 3 zone increments using ZX3 expansion modules. Each zone has its own buffered paging output (150 speaker drive capacity) with volume control, a C-form relay contact and “zone active” indicator. Each module includes a pluggable 24V DC power distribution terminal strip and pluggable terminal strips for each zone for easy wiring. A built-in 24V DC, 1A power supply is provided for powering amplified speakers. The UTI312’s universal telephone interface is identical to the UT11. Two background music (BGM) inputs, with volume controls, provides each zone with a choice of BGM sources or no BGM. Two tone triggers are available as well as a 90V night ringer input. Separate volume controls for the night ring and tone triggers, along with an adjustable page level limiter, make it easy to set appropriate levels.

Powerful software features provide the UTI312 enormous flexibility for demanding applications. Two, 3, 4, or 5 digit dialing plans allow the UTI312 to fit into any dialing structure. Twenty-four zone groups, zone groups for each tone input and night ring as well as a zone group for the override input provide plenty of installer flexibility. A programmable AUX relay contact, in addition to the zone relay contact, provides flexibility for controlling external equipment based on the UTI312’s activity.

**Features:**
- Expandable from 3 to 12 zones (in 3 zone increments using ZX3 modules; one ZX3 module included)
- Interfaces to Loop Start, Ground Start, Analog Station, and Page Ports (with or without contact closure activation)
- Simple 2-switch interface setup
- 2 Background music (BGM) inputs with level controls
- BGM sources assignable per zone
- Level control for each zone output
- Zone active indicators
- C-form contact per zone
- 150 Speaker T/R drive capacity per zone
- 24V DC, 1A power supply
- Programmable AUX Relay
- Page level limiter with active indicator
- Adjustable automatic level control
- Override input (loop start or page port)
- Code calling capability
- 2 Tone trigger inputs for tone burst, chime, double chime, and slow whoop tone selections
- Contact and 90V Night Ring inputs
- Pre-announce tone
- Confirmation tone
- Separate night ring and tone volume controls
- 24 User-assignable zone groups
- Separate override, all-call, tone trigger, night ring, and code call zone groups
- Auto select paging zone group
- 2, 3, 4, or 5 digit dialing plans
- Microcontroller operated, DTMF programmable
- Night ring tone or chime selection
- Setup test tone
- Pluggable terminal strip connectors
- Programming through override jack
- Programmable timeout for station mode
- Programmable trunk port timeout
- Responds to CPC disconnect signal
- Includes wall/rack brackets
- FCC registered
- C-UL, listed for US and Canada

**Requirements Weight**

<table>
<thead>
<tr>
<th>Power Requirements</th>
<th>Dimensions</th>
<th>Product Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V AC, 0.75A</td>
<td>16-1/4” W X 3-1/2” H X 4-1/8” D (without mounting flanges)</td>
<td>8 lb.</td>
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<tr>
<td></td>
<td>19” W (with mounting flanges)</td>
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</tbody>
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Paging Control Modules

Zone Paging System

PCM2000

The PCM2000 Zone Paging System provides robust paging for applications requiring talk back, from 1 to 99 paging zones. Multi-function modules ensure future expansion, with minimum time and expense.

TWO-WAY COMMUNICATIONS: (Requires PCMTBM Module and Central Amplifier)
- Provides hands-free, 2-way talk back communications
- Zones can be individually selected to be talk back or one-way only
- “Privacy Beep” protects against eavesdropping

PAGING FEATURES:
- Works with systems that are self- or central-amplified, or mixed
- Allows for 1 to 99 paging zones, in 3 zone increments
- Up to 32 programmable paging zone groups
- Emergency All-Zone Override Paging input
- 250-watt power handling capacity (amplifier required)
- Background Music, Night Ringer, Code Calling, and Signal Tones

OTHER FEATURES:
- Universal Telephone Interface connects to Loop Start, Ground Start, PBX or KEY paging ports, and Analog 90V station lines
- Relay driver outputs mirror the operation of each paging zone to control external equipment
- Two C-form relay contacts change state when system is activated to control external equipment
- A setup tone can be produced by the system to check system operation and volume levels
- Wall-mountable (brackets included)
- 8 Time-triggered events
- FCC registered
- ETL, listed for US and Canada

Modules Required For Zone Paging Applications:

<table>
<thead>
<tr>
<th>Total Number of Zones in System</th>
<th>3</th>
<th>6</th>
<th>9</th>
<th>12</th>
<th>15</th>
<th>18</th>
<th>21</th>
<th>24</th>
<th>27</th>
<th>More Than 27 Zones</th>
<th>99 Zones</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCMTBM</td>
<td>1 Module Required For Each Total System (optional module for talk back or time tone options)</td>
<td></td>
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<tr>
<td>PCMTIM</td>
<td>1 Module Required For Each Total System</td>
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<tr>
<td>PCMCPU*</td>
<td>1 PCMCPU for every 9 Zones</td>
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<td></td>
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</tr>
<tr>
<td>PCMZPM</td>
<td>1 PCMZPM for every 3 Zones</td>
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</table>

*Note: One PCMPS2 Power Supply (not included) is required for each PCMCPU Module.

VOIP Gateways for Paging

Network-Enabled Paging

The MVP series sends pages over existing Ethernet networks to remote locations within a facility or across a campus without running new lines.

FEATURES:
- Utilize existing Ethernet network
- Single- or multi-zone paging at any or all locations; 1-, 2-, 4-, and 8-port zone models available
- Efficiently communicate company-wide emergency alerts or general announcements, saving both time and money while improving communication
- Connects directly to phones or PBX; compatible with virtually any telephone port type
- Configurable from a web browser
- Product weight: MVP130BG - less than 1 lb. MVP210BG - 2 lb. MVP410BG/MVP810BG - 8 lb.
- FCC Registered
- C-UL, listed for US and Canada
Wall Baffle Speakers

Self-Amplified Wall Baffle Speakers

ASWB1

The ASWB1 wall baffle speaker is an eight-inch, cone-type loudspeaker, complete with a built-in amplifier and volume control, designed for telephone paging applications. It is engineered to provide excellent sound quality and trouble-free operation.

**FEATURES:**
- Self-contained 1-watt amplifier
- Simulated walnut finish with black grille cloth on front
- Sloping front panel provides enhanced downward dispersion
- Built-in volume control
- Easy wall-mount installation (mounting hardware included)
- 8" main cone speaker

**Determine Speaker Quantity**

Using the chart:
1. Locate the dimensions of the room (length and width).
2. Where these two measurements meet will be the number of speakers required.
   (You may need to increase the number of speakers in areas where large objects or shelving project into the coverage area, blocking sound.)
3. The number of Current Units needed is the same as the number of speakers.

   **Current Units (min.) = Number of Wall Baffle Speakers**

   See page 11 to select a Power Supply.

**Loop Start Interface**

Both the audio and power connections from self-amplified speakers can be connected to the PRSLSI. Connect the Tip and Ring terminals of the PRSLSI to a loop start trunk to provide paging access. The PRSLSI provides 9 CU (450 mA) of regulated 24V DC power for self-amplified speakers and enough audio capacity to drive 25 self-amplified speaker inputs.

**Paging Interface**

**Loop-Start Interface/Power Supply**

PRSLSI

The PRSLSI functions as both a 24V DC power supply and a loop start interface for small paging systems.

**FEATURES:**
- 24V Talk battery supply for loop start ports
- Buffered audio output for up to 25 self-amplified speakers
- 450 mA, 24V DC power supply for external equipment
- Integral flanges and rubber feet for wall- or shelf-mounting
- 6-terminal barrier strip
- UL, listed for US (Canada pending)