Smart pi ECOsystem



Smart Public Information for the smart city.

Smart pi takes information from across the city and delivers it to the people who need it: as an announcement, on a display, through a help point or straight to a hearing aid, the moment it matters.

One ecosystem, designed to look, feel and work as one

Every product works on its own, and better together.

IN

Where information comes from

RTA · MIC · PBX · SPL · Fire panel

SMART PI CORE

Decides what to say, where and when

DVA · DVA-GTFS · EYE · DSP · SIP · FSM · LOG · NMS

OUT

How it reaches people: hear, see, ask

NAM · NAM-HP · EDC · EYE-HD · HLP

Smart pi MIC

Live paging

Choose the zones, play the chime and speak, from one connected paging panel.



Speak to the right areas. From one panel.

Live paging with a clear physical interface and a connected browser workflow.

Smart Pi MIC puts live paging at the operator's fingertips. Illuminated physical keys choose the destinations, the touchscreen identifies the selection and a dedicated TALK button starts the announcement.

Set the panel up in a browser, then give operators a consistent workflow for everyday announcements. Use Dante for local audio and configured SIP routes for destinations beyond the local network.

A clear selection

Destination names and colours on the panel.

A cue to speak

Connecting, chime and live states stay visible.

Flexible routes

Local audio and configured remote destinations.

A shared view

Browser access to configuration and the virtual panel.



Smart Pi MIC paging panel

24
Paging zones across three pages.

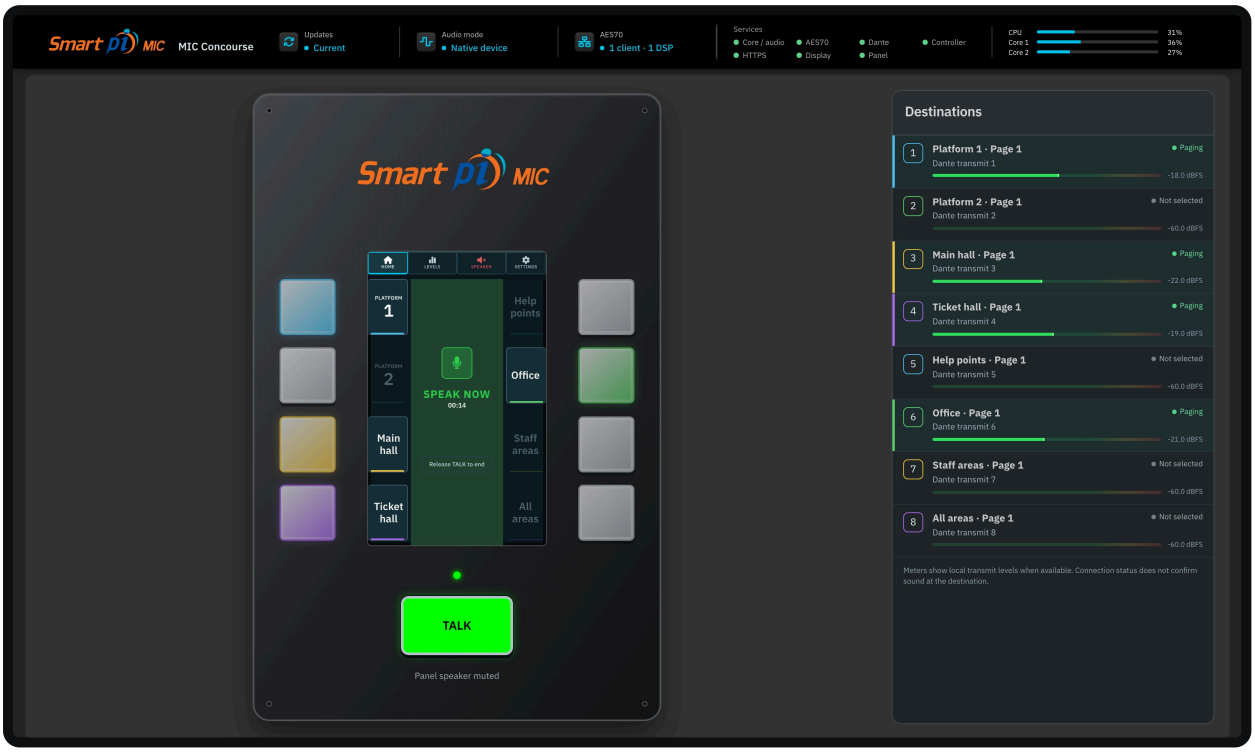
8
Physical zone buttons and a dedicated TALK key.

PoE
Power, audio and control through one network cable.

AES70
System control and DSP integration.

Select. Chime. Speak.

Give the person at the microphone a clear indication of where the page is going and when to begin.



A live page in the virtual panel
Selected destinations, TALK state, elapsed time and per-zone audio levels.

1 · Select

Choose the destinations. Their names and illuminated colours show where the announcement is heading.

2 · Chime

Play the configured pre-announcement chime, with an optional local speaker cue.

3 · Speak

Begin when the panel indicates the live state. Follow the timer and finish with the selected TALK behaviour.

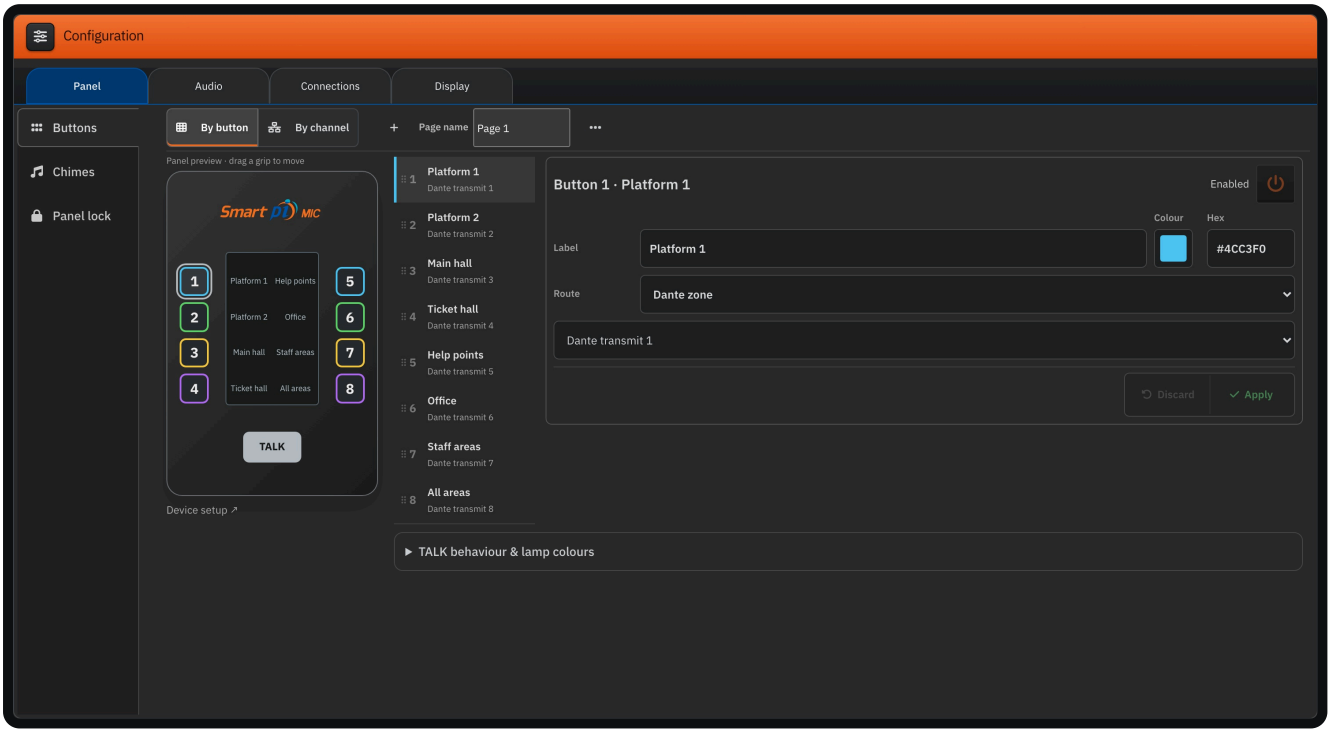
Keep selections while changing pages

Eight physical keys work across three pages, giving access to up to 24 paging zones. Selections remain in place as the operator moves between pages.

SmartPi UI preview with a fictional sample configuration. Browser audio levels are sample telemetry.

Your names.
Your colours. Your destinations.

Arrange the panel around the people and areas it serves.



Names, colours and routes
Configure each button with a live virtual-panel preview.

Name it the way the team uses it

Organise pages around platforms, levels or buildings. Use short, recognisable labels so the panel can be read at a glance.

Make colour useful

Assign RGB colours to destinations. Match the grouping and operating conventions the team already understands.

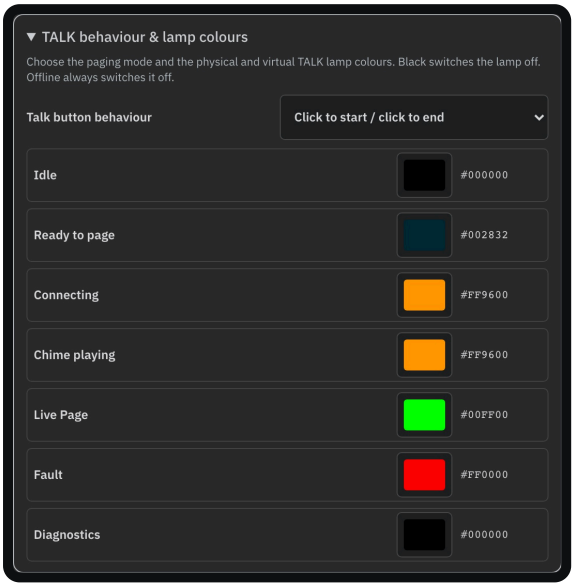
One label to maintain for partnered zones

DSP-linked destinations can take their zone name and colour from the DSP. The operator's panel then follows the configured audio system rather than a separate set of labels.

SmartPi UI preview with a fictional sample configuration.

Hold for a short page. Latch for a longer one.

Choose the operating style and visible cues that suit the people using the panel.



TALK behaviour and lamp colours
Set the behaviour and colour for each operating state.

Hold to talk

Keep the page open while TALK is held, then release to finish.

Click to start, click to end

Latch the page for a longer announcement, then use TALK again to end it.

A colour for each state

Choose colours for idle, ready, connecting, chime, live, fault and diagnostics. Black switches the lamp off.

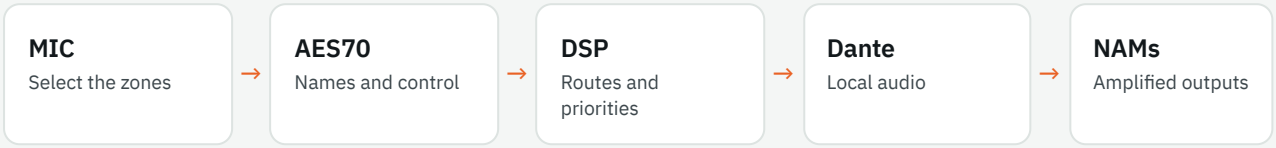
The physical key and virtual panel stay consistent

The same TALK colours appear on the hardware and browser view, helping an operator or supervisor recognise the stage of the announcement.

SmartPi UI preview with a fictional sample configuration.

One paging workflow. A coordinated audio system.

Link the panel to the routing and amplifier network around the site.



DSP Partnered mode coordinates the panel with a compatible Smart Pi DSP. AES70 carries control; Dante carries local audio.

DSP Partnered

Use MIC as the DSP system's dedicated paging station. Panel selections and TALK state coordinate with the configured DSP, while zone identity follows the system.

Mixed destinations

Combine local Dante destinations, SIP endpoints and individually mapped remote DSP zones. Give each button the route its destination needs.

Keep the operator's view stable

The person speaking selects the zone, waits for the cue and talks. Route and partnership details are set during commissioning, while destination names and colours describe the actual listening areas.

Commission control and audio together

Configure compatible MIC/DSP support, zone mappings and network audio subscriptions. Verify the selected area and the resulting audio end to end.

Illustrative configured control and audio workflow. Device compatibility and routes are set during commissioning.

The next room. Or another site.

Keep the same panel workflow when the destination is beyond the local audio network.

Select
Remote destination

→

Connect
SIP Server path

→

Chime
Wait for connection

→

Speak
Live microphone

→

Remote site
Configured audio output

- For a remote DSP using Via SIP Server, the configured audio path connects when paging starts, before the chime and live speech.

Reach another site

Use the configured Smart Pi SIP Server route for a DSP across a routed network. Zone names and colours can still follow the remote DSP.

Page a NAM directly

A configured SIP destination can address a Smart Pi NAM through its SIP module, alongside the panel's other destinations.

Dante where it is local

Standalone and Mixed operation support up to eight Dante transmit channels. A selected Dante return can provide local monitoring at the panel.

SIP where it is routed

Agree the SIP Server extensions, destination mapping and network reachability during setup. Prove connection, chime, live speech and disconnect for the intended paging path.

Smart pi SIP
Configured routed audio.

Smart pi DSP
Partnered and mapped zones.

Smart pi NAM
Local or SIP-connected outputs.

Smart pi NAM-HP
High-power audio endpoints.

i Illustrative configured audio paths.

Shape the speech before it leaves the panel.

A configurable audio chain supports clear, consistent paging.



A voice chain shaped for speech
Four-band parametric EQ with an example high-pass response and channel levels.

Prepare the voice

Gain, high-pass filtering, parametric EQ, compression and limiting shape the microphone signal before it reaches the destination.

Tune around the environment

Noise reduction, de-essing and feedback suppression are available where supported. Choose settings around the microphone, space and installed audio path.

Check the complete announcement

Listen to the chime and speech through the actual destination, including level and transitions. Retain the accepted settings with the installation configuration.

Current MIC EQ view with sample settings and levels. Response curves are calculated, not acoustic measurements.

One panel on the desk. A flexible network behind it.

Power and connectivity support the panel's role as a network paging station.



Around the back
Two RJ45 ports and two SFP slots.

One cable at the desk

PoE supplies power through the network connection. The same connection carries the configured network audio and control.

A switch built in

Two RJ45 ports and two SFP slots share the onboard network switch. Choose the connection that suits the site.

Fibre for the longer run

Use the appropriate SFP modules when the control-room connection needs fibre beyond the copper run.

Hear the return at the panel

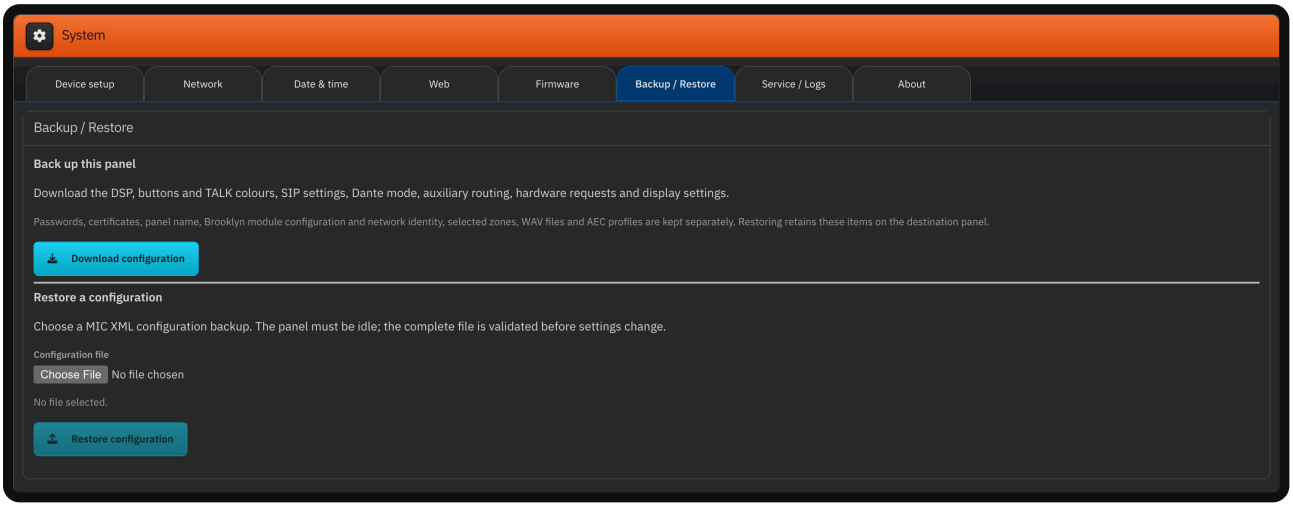
Listen on the local speaker to a selected Dante return or local/SIP source, with level and mute available to the operator.

Choose the link around the location

Plan PoE power, network links and modules together with the configured audio and control paths. Verify the destinations before handing the panel to the operator.

Set it up once.
Keep it supportable.

Give operators a consistent panel and support staff a repeatable setup.



Keep the panel configuration together
One file covers DSP settings, buttons, TALK colours, SIP, Dante mode and display settings.

Save and restore the setup

Export the XML configuration for the panel or a replacement. Configuration files are checked before changes are applied.

Support it in the browser

Network and switch information, service status and logs help the support team investigate the panel's condition.

Set the idle display around the location

Display settings include brightness and idle behaviour, with a railway-clock or logo screensaver. Keep the display readable for the operator and suitable for its installed environment.

Maintain a working configuration

Retain the accepted setup before service work. The update workflow supports falling back to the working version if an update fails.

Current MIC browser view with a sample configuration.

From a destination list to a familiar paging panel

Configure the installation around the people making the announcements.

1. **Map the areas**
   Organise up to 24 paging zones across the three button pages.

2. **Choose the routes**
   Configure Dante, SIP destinations and compatible DSP partnerships for each area.

3. **Set the operator cues**
   Name and colour destinations, select the chime and choose TALK behaviour and state colours.

4. **Tune and test**
   Set the voice chain, verify destination audio and check connection, chime, live and finish states.

5. **Retain and hand over**
   Export the accepted setup and brief operators on destination selection, TALK and the displayed states.

Operator controls
Eight illuminated zone keys, touchscreen and dedicated TALK button.

Audio and control
Dante and configured SIP audio, with AES70 control.

Connectivity
PoE, built-in switch, two RJ45 ports and two SFP slots.

Prove the selected destination
Use a representative announcement to verify the panel selection, route, chime and audio at the listening area. Include the remote path when the system spans sites.

SMART PI MIC

Select the areas. Make the announcement.

Talk to our team about your paging zones, audio routes and operator workflow.



Web
www.smart-pi.info

Email
info@smart-pi.info

Sales in Australia and New Zealand: Qvest
+61 2 8011 0500

Scan to visit smart-pi.info

Smart pi ECOsystem

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