

**PSS AS / PSS G2 / PSS G2E / PPM-IT5**

**FULL COLOR TOUCH-SCREEN SECURE PAGING CONSOLE**



**PSS MAIN CHARACTERISTICS**

- Secured CAT-5 link to controllers and slaves
- Supervision of microphone capsule
- Monitoring loudspeaker
- 5" full color touch-screen, 800 x 480 pixels
- 14-pages x 12 keys
- Power, status and fault indicator
- Comprehensive system status information from touch-screen
- EN54-16 certified

**PPM-IT5 MAIN CHARACTERISTICS**

- 5" TFT full color paging console
- High quality gooseneck microphone and built-in loudspeaker
- Ethernet interface including PoE (Power Over Ethernet)
- Automatic gain control on microphone input
- Echo cancellation / Noise Reduction
- Up to 300 pages x 12 keys
- G.711 / G.722 / G.726 / G.727 audio encoding /decoding
- Audio Stream using SHOUTcast / ICEcast (AAC 48K/44.1K) protocols
- Half or full duplex conversation
- Memory space for prerecorded messages and chime
- 3 key-buttons: User-definable via ATEIS Studio GUI
- RJ 9 for telephone headset and 2 mini-jack plugs for headset (optional)

The PSS paging console comes with a 5" TFT touch screen interface which allows call-paging, message broadcasting and DSP matrix parameter control over a secure (monitored) bus. The backlit full-color touch screen is designed for simple, user-friendly operation and offers a total of 168 software keys across 14 pages for zone or group of zones selections. Each key contains a color-changing field indicating that the zone is occupied by a different process. Alongside the touch screen, three hardware keys are also provided for free assignment within the software.

Several levels of operation with password protection make the PSS a versatile device that fits as well in a commercial shopping center as in an industrial high-security environment. All paging parameters for site operation can be pre-programmed; zones can be assigned, named, grouped to different buttons, message triggered and level, pre-call chime set and adjusted. The message and the chime can also be stored in the PSS console. In addition, fader control, button control and event control can also be pre-configured.

The PSS AS and the PSS G2 are powered by 24V DC supply.

**Note:** There are two versions of the PSS paging console with identical hardware and functionality but different firmware for compatibility with different systems.

**PSS AS:** Used with IDA8 system and ECS system controllers and slaves

**PSS G2:** Used with DIVA8G2 system controllers

**PSS G2E:** Used with DIVA8G2 system controllers and can be powered by Ethernet.

The ATEIS range of security systems complies with current architectural demands requiring IP and/or fiber-optic networking to cater for any possible PAVA design, however complex. ATEIS responds to Public Address and Voice Alarm requirements as stated in EN54-16, ISO 7240-16 and BS5839/8, with specific attributes for compliance in large installations.



**PPM-IT5:** The 3 hardware keys can be freely assigned by software. The PPM-IT5 Media console is a versatile device that enhances paging over IP-networking.

All paging parameters needed for site operating can be programmed: zones assigned to different buttons, name of zones, group of zones, messages triggering or event control. A total of 3600 keys over 300 pages allow zones or groups of selection. All the settings shall be done via web pages with your web browser.

Public Address - Voice Alarm

- Audio Distribution over IP
- Commercial Audio
- Intelligent Acoustic Solutions
- Intercommunication
- Loudspeakers

# Consoles & Accessories

## PSS AS / PSS G2 / PSS G2E / PPM-IT5

### FULL COLOR TOUCH-SCREEN SECURE PAGING CONSOLE

#### CERTIFICATIONS AND APPROVALS

REGION	CERTIFICATIONS	
Europe	Safety	IEC 60065-98
	Immunity	according to EN50103-4
	PAVA	EN54-16 certified 2012

#### PARTS INCLUDED

Quantities	Components
1	PSS-XX
1	CAT-5 cable, 1.5 m

#### TECHNICAL SPECIFICATIONS

##### Electrical

##### Battery power supply

Voltage	18 - 26 VDC
Power consumption	250 mA

##### Performance

Frequency response	-3 dB @ 200 Hz to 8 kHz
THD	< 1% @ 1 kHz
Output level Max	6 dBu
Noise gate threshold	-84 dBu - 24 dBu
Attack time	8 ms
Release time	100 ms
Output impedance	100 Ohm

##### Monitoring speaker

Impedance	4 Ohm
Output power	1 W @ 1 KHz
Frequency response	-3 dB @ 200 to 12 kHz

##### Headset

Connector	3.5 mm mini-jack
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##### Cable

Cable type	CAT-5 (FTP)
Length	100 m

##### Mechanical

Dimensions (H x W x D)	75 x 250 x 140 mm
Weight	1.1 kg (2.4 lb)
Colour	RAL7016

#### Environmental

Operating temperature	-5 °C to +55 °C (+23 °F to +131 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	15% to 90%
Air pressure	600 to 1100 h Pa



#### INSTALLATION NOTES

1.	Gooseneck microphone	5.	Left function button
2.	Power indicator	6.	Middle function button
3.	Fault indicator	7.	Right function button
4.	EVAC indicator	8.	Monitor loudspeaker
		9.	Touch-screen



#### INSTALLATION NOTES

1.	Jack input for external microphone
2.	Jack output for external loudspeaker
3.	Telephone input
4.	CAT5

## PSS AS / PSS G2 / PSS G2E / PPM-IT5

### FULL COLOR TOUCH-SCREEN SECURE PAGING CONSOLE

#### CONTROLS AND INDICATORS

- 5" full color touch-screen, 800x480 pixels
- Three LED status indicators
- Three hardware function keys-buttons
- 280 mm gooseneck microphone

#### INTERCONNECTIONS

##### Rear

- RJ45 for CAT-5 connection
- 3.5mm mini-jack for headset
- Additional power supply connector for long-line support

#### CERTIFICATIONS AND APPROVALS

##### REGIONAL CERTIFICATIONS

Europe	Voice Alarm	EN54-16 certified 2012 CE – 0359 according to EN50130 – 4
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#### PARTS INCLUDED

Quantities	Components
<b>PSS AS/G2/G2E</b>	
1	PSS-XX
1	CAT-5 cable, 1.5 m
<b>PPM-IT5</b>	
1	PPM-IT5XX
1	CAT-5 cable, 1.5 m
1	AC-DC power adapter

#### TECHNICAL SPECIFICATIONS

##### Electrical

##### Mains power supply

Voltage	18~30 VDC PoE: 24 VDC)
Power consumption	250 mA

##### Performance

##### Frequency response

<b>PSS AS/G2/G2E</b>	-3 dB @ 200 Hz to 8 kHz
<b>PPM-IT5</b>	-3 dB @ 100 Hz to 18 kHz

THD < 1% @ 1 kHz

Output level Max 6 dBu

Noise gate threshold -84 dBu ~ -24 dBu

Attack time 8 ms

Release time 100 ms

Output impedance 100 Ohm

##### Monitoring speaker

Impedance 4 Ohm

Output power 1 W @ 1 KHz

Frequency response -3 dB @ 200 to 12 kHz

##### Headset

##### Connector

<b>PSS AS/G2/G2E</b>	3.5 mm mini-jack
<b>PPM-IT5</b>	2 x 3.5 mini-jack

##### System Connection

Cable type	CAT-5 (FTP)
Length	100 m

##### Mechanical

Dimensions(H x W x D) 80 x 250 x 140 mm  
(3-1/5" x 9-4/5" x 5-1/2")

Weight 1.1 kg (2.4 lbs)

Color RAL7016

##### Environmental

Operating temperature -5°C ~ 55°C (23°F ~ 131°F)

Storage temperature -40°C ~ 70°C (-40°F ~ 158°F)

Relative humidity 15% to 90%

Air pressure 600 to 1100 h Pa

Heat Dissipation 20 BTU/hr

