

# How to connect HWg-Ares with PDMS



Email >



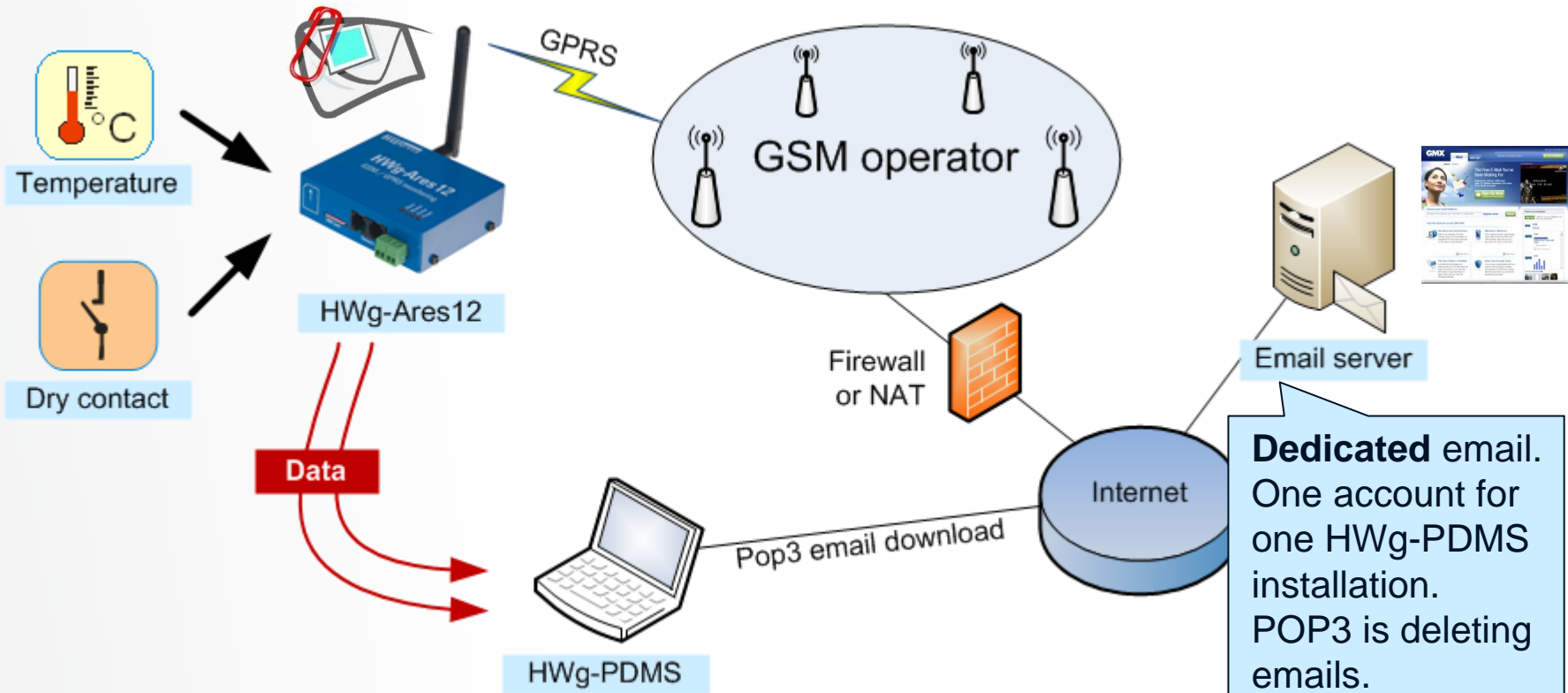
The screenshot shows the HWg-PDMS 2.0.8 software interface. The main window displays a line graph of 'Outdoor [°C]' over time, with a red line fluctuating between approximately 10°C and 30°C. Below the graph, there are controls for 'Device' (Poseidon 2250 Prague) and 'Interval' (Last 7 Days). A 'Status' section indicates 8 devices, 19 connected sensors, and 1 sensor out of range. A 'Log Messages' section shows a list of system events. On the right, there is a 'Periodic XLS Reports' section with checkboxes for 'Jan-BMW', 'Online-Demos-weekly', 'Prague-WLD', and 'Prague-temperature', and a 'Sensor List' table.

Sensor List:	
Sens-UI Current	3.7 mA
1234567890ABCD	- °C
Battery Monitor	100
External Power	On
HTemp RH	27.2 %RH
HTemp T	28.324 °C
HWg Indoor RH	44.0 %RH
Indoor	- °C
Indoor	26.8 °C
Jan BMW/temperat	27.187 °C
NRZ Current	0.1 A
NRZ Volts	233.0 V



# HWg-Ares12 & PDMS (POP3)

*HWg-PDMS downloads data from GSM device through email account (GMX.com).*





- Install the PDMS 2.x from HWg website
- If you are on the internet, test with online demo device: <http://poseidon-2250.hwg.cz>
  - Menu > Edit Device & Sensors
  - Add device
  - Open founded device by click to **[+]**
  - Select by  **one** (outdoor) **sensor only**  
(*3 sensors only for free version limit*) + Click OK
  - >> You'll see current value on the main screen

# Test HWg-Ares & Emails



Try to send **TEST email** from the Ares device to your email.

- If you don't have SMTP server, try our testing account on the GMX:

AresConf - configuration utility for HWg-Ares (www.HW-group.com)

General | Digital Inputs | Sensors | SMS | **Email** | Advanced Mode

**Alarm Email Settings**

Recipient 1: **Your email**

Recipient 2:

Recipient 3:

Recipient 4:

Recipient 5:

Report End of Alarm

**Outgoing Server Settings**

SMTP Server: **smtp.gmx.com**

SMTP Port: **25**

Username: **HWg-Ares@gmx.com**

Password: **GSM2poseidon**

Secure Connection (SSL):  No  STARTTLS

**General Email Settings**

Outgoing Email Address: **HWg-Ares@gmx.com**

Subject: **Ares12 email**

**Send Test Email** | **Save**

Status: - USB: Connected - data logging suspended while USB connected! Modem: Ready to use Version: 1.0.13.232

# Email Test message



This is message when email sent OK:

The screenshot shows the AresConf configuration utility for HWg-Ares. The 'Email' tab is active, displaying 'Alarm Email Settings' and 'Outgoing Server Settings'. The 'Recipient 1' field contains 'your@email.cz' and the 'SMTP Server' is 'smtp.gmx.com'. A 'Debug' window is open, showing the following SMTP session logs:

```
250-AUTH LOGIN PLAIN
250 STARTTLS
SMTP authorization (AUTH LOGIN)
334 VXN1cm5hbWU6
334 UGFzc3dvcmQ6
235 2.7.0 Go ahead {mp-eu001}
FROM: HWg-Ares@gmx.com
250 2.1.0 ok {mp-eu001}
TO: your@email.cz
250 2.1.5 ok {mp-eu001}
Sending data (DATA)
354 mail.gmx.com Go ahead {mp-eu001}
Sending data end (.)
250 2.6.0 Message accepted {mp-eu001}
Closing SMTP session (QUIT)
221 2.0.0 GMX Mailservices {mp-eu001}
Closing connection
Sending email finished [16 seconds]
```

The 'Debug' window also has a 'Close' button. The main configuration window has a 'Save' button and a 'Version: 1.0.13.232' label at the bottom right.

# Email potential problems



If you can't send email, check these potential problems:

- Your SIM card has no GPRS data available
- Fill correct APN for your operator ([list](#)):

AresConf - configuration utility for HWg-Ares (www.HW-group.com)

General | Digital Inputs | Sensors | Time | SMS | SMS Templ. | Email | Email Templ. | **GSM/GPRS/Internet** | Portal | Logger | System | Simple Mode

SIM Card Settings

SIM Card PIN:

Enable GPRS/Internet

GPRS Operator Settings  Show Advanced GPRS Settings

APN Address:

Dial Number:

Roaming

Use Internet connectivity if roaming is detected

Save

Status: - USB: Connected - data logging suspended while USB connected! Modem: Ready to use Version: 1.0.13.232

# Create PDMS dedicated email



- Create any email mailbox with POP3 for your PDMS.
- It'll be **dedicated only for your installation of the PDMS.** All devices you want to have in your PDMS will send emails to this one email account.

- Why do I prefer [www.gmx.com](http://www.gmx.com)?

- Unlimited email storage
- Wide options for email filtering/forwarding
- Not require TSL Authorization



# Send logfiles to your PDMS email



- Name the Sensor (you'll see this name in all screens)
- Switch AresConf to **Advanced mode** and setup Logger

AresConf - configuration utility for HWg-Ares (www.HW-group.com)

General Digital Inputs Sensors Time SMS SMS Templ. Email Email Templ. GSM/GPRS/Internet Portal **Logger** System Simple Mode

Logger Settings

**WARNING: Data logging suspended while USB connected!**

Actual Datalog Size: 480550 bytes

Log Period (0=disable): 300 [mins]

Log Email Settings

Email Period (0=disable): 1 [hours]

Recipient 1: hwg.poseidon@gmx.com

Recipient 2:

Recipient 3:

Recipient 4:

Recipient 5:

Importance: Normal

Template: Default

Erase Log after Email

Send Test Email Get Log ( TODO !!! ) Clear Log Save

Status: - USB: Connected - data logging suspended while USB connected! Modem: Ready to use Version: 1.0.13.232



# Email verification on the GMX



Check by webmail, if email with log is there.  
It's sent every full hour so **maybe you'll have to wait.**

The screenshot shows the GMX webmail interface. The main content area displays an inbox with the following email list:

Sender	Subject	Date	Time
Jan-Ares12	Ares12 email Periodical report	07/06/12	03:00 PM
Jan-Ares12@hw.cz	<No Subject>	07/06/12	
Jan-Ares12@hw.cz	<No Subject>	07/06/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/06/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/06/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/06/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/06/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/06/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/06/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/01/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/01/12	
Jan-Ares12	Jan-Ares12 Periodical report	07/01/12	

On the right side of the interface, there is a notification: "máte (1) novou zprávu!" (you have 1 new message!) with a button "otevřít zprávu" (open message) and an envelope icon. Below this, a date and time stamp reads: "15:18 Středa, 18. Červenec 2012".

# Setup PDMS – POP3 settings



The screenshot shows the HWg-PDMS 2.0.8 application window. The 'File' menu is circled in red. The main interface displays an 'Overview' section with a line graph of 'Outdoor [°C]' over time. Below the graph, there are fields for 'Device' (Poseidon 2250 Prague), 'Sensor' (Outdoor = 16.9 °C), and 'Interval' (Last 7 Days). A 'Status' section shows 8 devices, 19 connected sensors, and 1 sensor out of range. A 'Log Messages' section shows a list of system events. The 'Global Settings' dialog box is open, showing the 'E-mail' tab. It contains the following fields and options:

- E-mail Enabled
- POP3 Server:
- Port:
- Username:
- Password:
- Check new messages every:

Buttons for 'Cancel' and 'OK' are visible at the bottom of the dialog box.

# Edit sensors in PDMS 1



HWg-PDMS 2.0.8 - Logged in user

File Edit View Tools Help

Status | Device List | Sensor List

Poseidon & Damocles Monitoring System **PDMS**

### Overview:

Device: Poseidon 2250 Prague Interval: Last 7 Days

Sensor: Outdoor = 16.9 °C From: 9. 7. 2012 To: 16. 7. 2012

Buttons: Save Chart As..., Refresh Chart

### Status:

8 devices  
19 connected sensors  
1 sensors Out of Range or in Alarm

1 devices not responding  
0 sensors not responding

**Edit Devices & Sensors...**

### Log Messages:

16.7.2012 20:43:00: HWg-PWR: Downloading XML... hwg-pwr.hw.g.cz:80  
16.7.2012 20:43:00: Poseidon 3268: Downloading XML... poseidon-3268.hw.g.cz:80  
16.7.2012 20:43:00: Poseidon 2250 Prague: Downloading XML... poseidon.hw.g.cz:80  
16.7.2012 20:43:00: SQL: Begin transaction successful  
16.7.2012 20:43:01: SQL: Commit transaction starting...  
16.7.2012 20:43:01: SQL: Commit transaction successful (total: 8685, committed: 8)

Actual sensor reading interval: 5 Seconds

+ Zoom Log

Next sensor reading: 0:00:00 | Next report generating: On 17.7.2012 at 0:00:00

### Periodic XLS Reports:

- Jan-BMW
- Online-Demos-weekly
- Prague WLD
- Prague-temperature
- Teploty

Buttons: Add Report..., Preview, Open Report Folder

### Sensor List:

Sens-UI Current	3.7 mA
1234567890ABCD	- °C
Battery Monitor	100
External Power	On
HTemp RH	27.2 %RH
HTemp T	28.324 °C
HWg Indoor RH	44.0 %RH
Indoor	- °C
Indoor	26.8 °C
Jan BMW temperat	27.187 °C
NRZ.Current	0.1 A
NRZ.Volts	233.0 V

# Edit sensors in PDMS 2



The screenshot displays the PDMS 2.0.8 software interface. The main window, titled 'HWg-PDMS 2.0.8 - Logged in user', shows an overview of the monitoring system with a graph of 'Outdoor [°C]' temperature over time. The 'Edit Devices and Sensors' dialog box is open, showing a tree view of devices and sensors. A 'Please, wait...' dialog box is also visible, indicating that the system is searching for local network devices and mailbox messages.

**HWg-PDMS 2.0.8 - Logged in user**

File Edit View Tools Help

Status | Device List | Sensor List

Poseidon & Damocles Monitoring System **PDMS**

**Overview:**

Outdoor [°C]

Device: Poseidon 2250 Prague Interval: Last 7 Days

Sensor: Outdoor = 16.9 °C From: 9. 7. 2012

**Status:**

8 devices 1 devices not responding  
19 connected sensors 0 sensors not responding  
1 sensors Out of Range or in Alarm

**Log Messages:**

16.7.2012 20:43:00: HWg-PWR: Downloading XML... hwg-pwr.hwg.cz  
16.7.2012 20:43:00: Poseidon 3268: Downloading XML... poseidon-3268.hwg.cz  
16.7.2012 20:43:00: Poseidon 2250 Prague: Downloading XML... poseidon-2250.hwg.cz  
16.7.2012 20:43:00: SQL: Begin transaction successful  
16.7.2012 20:43:01: SQL: Commit transaction starting...  
16.7.2012 20:43:01: SQL: Commit transaction successful (total: 8685, ...)

Next sensor reading: 0:00:00 Next report generated: 0:00:00

**Edit Devices and Sensors**

Poseidon & Damocles Monitoring System **PDMS**

Search Devices

- HTTP XML
  - Poseidon 2250 Prague - poseidon.hwg.cz:80
  - E-MAIL (pop.gmx.com) - Found 27 messages in mailbox / 1 messages processed
    - Jan-Ares12
  - PORTAL

Please, wait...

Searching your local network and mailbox...

Stop

Remote Device: http://poseidon-2250.hwg.cz + Add Device Cancel OK

# Edit sensors in PDMS 3



HWg-PDMS 2.0.8 - Logged in user

File Edit View Tools Help

Status Device List Sensor List

Overview:

40

13.7

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16.7.2012 20:43:00: HwG-PWR: Downloading XML... hwg-pwr.hwg.cz:80

16.7.2012 20:43:00: Poseidon 3268: Downloading XML... poseidon-3268.hwg.cz:

16.7.2012 20:43:00: Poseidon 2250 Prague: Downloading XML... poseidon.hwg.c

16.7.2012 20:43:00: SQL: Begin transaction successful

16.7.2012 20:43:01: SQL: Commit transaction starting...

16.7.2012 20:43:01: SQL: Commit transaction successful (total: 8685, committed: 8

Next sensor reading: 0:00:00 Next report generating:

POSEIDON & DAMOCLES MONITORING SYSTEM PDMS

Search Devices

- HTTP XML
  - Poseidon 2250 Prague - poseidon.hwg.cz:80
  - E-MAIL (pop.gmx.com) - Found 27 messages in mailbox / 1 messages processed
  - Jan-Ares12
    - Input 1 (1)
    - Input 2 (2)
    - External Power (8)
    - HTemp RH (9016)
    - HTemp T (10016)
    - Jan BMW temperat (39621)
    - Battery Monitor (65535)
  - PORTAL

Remote Device:

Click to [+]  
and select 2  
sensors  
only..  
(free license  
limitation)

# Finished: data are in the PDMS



**HWg-PDMS 2.0.8 - Logged in user**

File Edit View Tools Help

Status Device List Sensor List

Poseidon & Damocles Monitoring System **PDMS**

**Overview:**

31,5  
24,5  
1.7. 2.7. 3.7. 4.7. 5.7. 6.7. 7.7.

**Select sensor for graph here**

Device: Jan-Ares12  
Sensor: Jan BMW temperat = 26.074 °C

Interval: From - To  
From: 1. 7. 2012 To: 4:14:58 8. 7. 2012 4:14:58

Save Chart As... Refresh Chart

**Periodic XLS Reports:**

- Jan-BMW
- Online-Demos-weekly
- Prague WLD
- Prague-temperature
- Teploty

Add Report... Preview

Open Report Folder

**Status:**

7 devices 0 devices not responding  
18 connected sensors 0 sensors not responding  
1 sensors Out of Range or in Alarm

Edit Devices & Sensors...

**List of last values**

**Sensor List:**

Sens-UI Current	3.7 mA
Battery Monitor	100
External Power	On
HTemp RH	39.6 %RH
HTemp T	27.162 °C
HWg Indoor RH	43.5 %RH
Indoor	- °C
Indoor	26.6 °C
Jan BMW temperat	26.074 °C
NRZ.Current	0.0 A
NRZ.Volts	231.7 V
Outdoor	- °C

Actual sensor reading interval: 5 Seconds

+ Zoom Log

Log Messages:

```
18.7.2012 16:15:20: HWg-PWR: Connecting... hwg-pwr.hwg.cz:80
18.7.2012 16:15:20: Poseidon 2250: Connecting... poseidon-2250.hwg.cz:80
18.7.2012 16:15:20: Poseidon 2250 Prague: Downloading XML... poseidon.hwg.cz:80
18.7.2012 16:15:20: Poseidon 3268: Downloading XML... poseidon-3268.hwg.cz:80
18.7.2012 16:15:20: Poseidon 2250: Downloading XML... poseidon-2250.hwg.cz:80
18.7.2012 16:15:20: HWg-PWR: Downloading XML... hwg-pwr.hwg.cz:80
```

Next sensor reading: 0:00:05 Next report generating: On 19.7.2012 at 0:00:00

**Export logged data to the MS Excel..**

**Sensor List:**

Sens-UI Current	3.7 mA
Battery Monitor	100
External Power	On
HTemp RH	39.6 %RH
HTemp T	27.162 °C
HWg Indoor RH	43.5 %RH
Indoor	- °C
Indoor	26.6 °C
Jan BMW temperat	26.074 °C
NRZ.Current	0.0 A
NRZ.Volts	231.7 V
Outdoor	- °C

**List of last values**