

# Manufacturer information week 06/2021

Software and hardware changes (according to NAMUR recommendation NE 53)

## 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
KG

**Instr.:** VEGAPULS Air  
41/42

**Type**  
: Mobile radio LoRa

## 2. Software

Previous software version:

0	1	.	0	0	.	0	0
		.			.		

Dated 1/2021

New software version:

		.			.		
		.			.		

Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 3. Hardware I

Previous hardware version:

0	1	.	0	0	.	0	0
0	1	.	0	1	.	0	0

Dated 1/2021

New hardware version:

0	1	.	0	1	.	0	0
		.			.		

Dated 1/2021

Description of the modification in comparison with the predecessor version:

Optimization of cellular and LoRa reception and transmission strength

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

How can the software update be carried out? (description of the procedure)

## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

Yes,

Instrument type	New instruction no.	Dated

No,

Instrument type	Previous instruction no.	Dated
VEGAPULS Air 41/42	64579, 64808	20.12.15

## 5. Price

Did the price change?

No

Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €

Price for an update (without installation): \_\_\_\_\_ €

2021-01-25  
 \_\_\_\_\_  
 Date

*i. V. Thomas Dal*  
 \_\_\_\_\_  
 Signature

# Manufacturer information week 09/2021

Software and hardware changes (according to NAMUR recommendation NE 53)

## 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
KG

**Instr.:** VEGAPULS Air  
41/42

**Type**  
: Mobile radio LoRa

## 2. Software

Previous software version:

0	1	.	0	0	.	0	0

Dated 1/2021

New software version:

		.			.		

Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 3. Hardware I

Previous hardware version:

0	1	.	0	1	.	0	0

Dated 2021-01-08

New hardware version:

0	1	.	0	1	.	0	1

Dated 2021-01-28

Description of the modification in comparison with the predecessor version:

Extension of the middle contact of the upper 3 cells to ensure safe contacting of the cell

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

How can the software update be carried out? (description of the procedure)

## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

Yes,

Instrument type	New instruction no.	Dated

No,

Instrument type	Previous instruction no.	Dated
VEGAPULS Air 41/42	64579	20.12.15

## 5. Price

Did the price change?

No

Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €

Price for an update (without installation): \_\_\_\_\_ €

2021-01-28

Date

*i. V. Thomas Dal*

Signature

# Manufacturer information week 18/2021

Software and hardware changes (according to NAMUR recommendation NE 53)

## 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
**KG**

**Instr.:** VEGAPULS Air  
41/42

**Type**  
**:** Mobile radio LoRa

## 2. Software

Previous software version: 

0	1
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 . 

0	0
---	---

 . 

0	0
---	---

 Dated 1/2021  
 New software version: 

0	1
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 . 

0	1
---	---

 . 

0	0
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 Dated 5/2021

Description of the modification in comparison with the predecessor version:

- Backward channel via mobile radio
- Software update of the mobile modem via mobile radio possible
- Each time the sensor is activated via NFC or magnetic pen, a join (LoRa only) and a measured value transmission is triggered
- No more error status is set for inclinations above 20°
- Transmission interval, reset values to 6 hour interval
- The position is determined when the radio cell is changed

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 3. Hardware I

Previous hardware version: 

0	1
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0	1
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 . 

0	1
---	---

 Dated 1/2021  
 New hardware version: 

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 . 

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 . 

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 Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

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For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

How can the software update be carried out? (description of the procedure)

## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

Yes,

Instrument type	New instruction no.	Dated
VEGAPULS Air 41/42	64579, 64808	13.4.2021

No,

Instrument type	Previous instruction no.	Dated

## 5. Price

Did the price change?

- No  
 Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €

Price for an update (without installation): \_\_\_\_\_ €

4.05.2021  
 \_\_\_\_\_  
 Date

*i. V. Thomas Dalk*  
 \_\_\_\_\_  
 Signature

## Manufacturer information week 47/2021

Software and hardware changes (according to NAMUR recommendation NE 53)

### 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
KG

**Instr.:** VEGAPULS Air  
41/42

**Type**  
: Mobile radio LoRa

### 2. Software

Previous software version:

0	1	.	0	1	.	0	0
0	1	.	0	2	.	0	0

Dated 5/2021

New software version:

0	1	.	0	1	.	0	0
0	1	.	0	2	.	0	0

Dated 11/2021

Description of the modification in comparison with the predecessor version:

- Mobile radio
  - o Extended error handling if no connection to the server can be established
  - o Release band 28 for Germany
- LoRa
  - o Adaptations for LoRa software 1.1.6
  - o New bands available IN868, AU915, KR920 (only with LoRa software 1.16)
  - o When a join is triggered, the spread factor, data rate and repetitions are set to default.
  - o Assignment of country to band adapted
  - o Reset value changed from ADR to ON

### Error corrections

- Mobile radio
  - o Unnecessary additional dialling into the mobile network prevented
- LoRa
  - o Device answers to LinkADDRReq sommand (only with boot part software 1.0.2.1)
- Position determination
  - o No more position determination despite deactivated position determination when changing radio cells
- In general
  - o No more faulty entry (inconsistent software configuration) in diagnostic memory during software update

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

### 3. Hardware I

Previous hardware version:

0	1	.	0	1	.	0	1
		.			.		

Dated 1/2021

New hardware version:

		.			.		
		.			.		

Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

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For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

How can the software update be carried out? (description of the procedure)

## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

- Yes,

Instrument type	New instruction no.	Dated

- No,

Instrument type	Previous instruction no.	Dated
VEGAPULS Air 41/42	64579, 64808	22.4.2021

## 5. Price

Did the price change?

- No  
 Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €



Price for an update (without installation): \_\_\_\_\_ €

2021-11-24  
Date

*i. V. Thomas J. S.*  
Signature

# Manufacturer information week 03/2022

Software and hardware changes (according to NAMUR recommendation NE 53)

## 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
KG

**Instr.:** VEGAPULS Air  
41/42

**Type**  
: Mobile radio LoRa

## 2. Software

Previous software version:

0	1	.	0	2	.	0	0
0	1	.	0	2	.	0	1

Dated 11/2021

New software version:

0	1	.	0	2	.	0	0
0	1	.	0	2	.	0	1

Dated 03/2022

Description of the modification in comparison with the predecessor version:

- Mobile radio
  - o IMEI readable

### Error corrections

- LoRa
  - o ADR functions also with NBTrans > 1

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 3. Hardware I

Previous hardware version:

0	1	.	0	1	.	0	1
		.			.		

Dated 1/2021

New hardware version:

		.			.		
		.			.		

Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

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For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

How can the software update be carried out? (description of the procedure)

## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

Yes,

Instrument type	New instruction no.	Dated

No,

Instrument type	Previous instruction no.	Dated
VEGAPULS Air 41/42	64579, 64808	22.4.2021

## 5. Price

Did the price change?

No

Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €

Price for an update (without installation): \_\_\_\_\_ €

2022-03-14  
 \_\_\_\_\_  
 Date

*i. V. Thomas Dals*  
 \_\_\_\_\_  
 Signature

# Manufacturer information week 01/2023

Software and hardware changes (according to NAMUR recommendation NE 53)

## 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
KG

**Instr.:** VEGAPULS Air  
41/42

**Type**  
: Mobile radio LoRa

## 2. Software

Previous software version:

0	1	.	0	2	.	0	1

Dated 03/2022

New software version:

		.			.		

Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 3. Hardware I

Previous hardware version:

0	1	.	0	1	.	0	1

Dated 1/2021

New hardware version:

0	2	.	0	0	.	0	0

Dated 1/2023

Description of the modification in comparison with the predecessor version:

### . Function extensions

- Energy savings through use of the latest cellular modem
- Removal of unnecessary components
- Use of the latest LoRa module with support of the following bands IN868, AU916 and KR920

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

How can the software update be carried out? (description of the procedure)

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## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

Yes,

Instrument type	New instruction no.	Dated

No,

Instrument type	Previous instruction no.	Dated
VEGAPULS Air 41/42	64579, 64808	22.4.2021

## 5. Price

Did the price change?

No

Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €

Price for an update (without installation): \_\_\_\_\_ €

9.01.2023

Date

*i. V. Thomas Dalk*

Signature

# Manufacturer information week 05/2023

Software and hardware changes (according to NAMUR recommendation NE 53)

## 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
KG

**Instr.:** VEGAPULS Air  
41/42

**Type**  
: Mobile radio LoRa

## 2. Software

Previous software version:

0	1	.	0	2	.	0	1
0	2	.	0	0	.	0	1

Dated 03/2022

New software version:

0	2	.	0	0	.	0	1
0	2	.	0	0	.	0	1

Dated 05/2023

Description of the modification in comparison with the predecessor version:

Comprehensive changes, see versions history

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 3. Hardware I

Previous hardware version:

0	2	.	0	0	.	0	0
0		.			.		

Dated 1/2023

New hardware version:

0		.			.		
0		.			.		

Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

## 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

A software update from version 1.x.x to 2.x.x is not possible

How can the software update be carried out? (description of the procedure)

## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

Yes,

Instrument type	New instruction no.	Dated

No,

Instrument type	Previous instruction no.	Dated
VEGAPULS Air 41/42	64579, 64808	22.4.2021

## 5. Price

Did the price change?

No

Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €

Price for an update (without installation): \_\_\_\_\_ €

3.05.2023

Date

*i. V. Thomas Dal*

Signature

## Manufacturer information week 05/2023

Software and hardware changes (according to NAMUR recommendation NE 53)

### 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
KG

**Instr.:** VEGAPULS Air  
41/42

**Type**  
: Mobile radio LoRa

### 2. Software

Previous software version: 

0	2

 . 

0	0

 . 

0	1

 Dated 05/2022  
 New software version: 


 . 


 . 


 Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

### 3. Hardware I

Previous hardware version: 

0	2

 . 

0	0

 . 

0	0

 Dated 1/2023  
 New hardware version: 

0	2

 . 

0	1

 . 

0	0

 Dated 5/2023

Description of the modification in comparison with the predecessor version:

- Improved battery contacting

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

### 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

How can the software update be carried out? (description of the procedure)



## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

Yes,

Instrument type	New instruction no.	Dated

No,

Instrument type	Previous instruction no.	Dated
VEGAPULS Air 41/42	64579, 64808	22.4.2021

## 5. Price

Did the price change?

No

Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €

Price for an update (without installation): \_\_\_\_\_ €

9.05.2023

Date

*i. V. Thomas Dal*

Signature

## Manufacturer information week 08/2023

Software and hardware changes (according to NAMUR recommendation NE 53)

### 1. Type of instrument

- Field device
  Signal processing instrument  
 Display/adjustment system
  Adjustment software

**Manufacturer:** VEGA Grieshaber  
KG

**Instr.:** VEGAPULS Air  
41/42

**Type**  
: Mobile radio LoRa

### 2. Software

Previous software version:

0	2	.	0	0	.	0	1

Dated 05/2022

New software version:

		.			.		

Dated \_\_\_\_\_

Description of the modification in comparison with the predecessor version:

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

### 3. Hardware I

Previous hardware version:

0	2	.	0	1	.	0	0

Dated 5/2023

New hardware version:

0	2	.	0	2	.	0	0

Dated 8/2023

Description of the modification in comparison with the predecessor version:

- Use of a new power pack with 1 battery

For detailed information see overview of the versions in the download area under [www.vega.com/downloads](http://www.vega.com/downloads).

### 4. Software compatibility

Is a software update necessary?

- No  
 Yes, reason:

Is downward compatibility given after installation of the new software?

- Yes  
 No, description:

How can the software update be carried out? (description of the procedure)

## 4. Operating instructions

Was the operating instructions changed due to the software/hardware modification?

Yes,

Instrument type	New instruction no.	Dated
VEGAPULS Air 41/42	64579, 64808	7.7.23

No,

Instrument type	Previous instruction no.	Dated

## 5. Price

Did the price change?

No

Yes

Previous list price of the instrument: \_\_\_\_\_ €

New list price of the instrument: \_\_\_\_\_ €

Price for an update (without installation): \_\_\_\_\_ €

7.07.2023  
 \_\_\_\_\_  
 Date

*i. V. Thomas Dal*  
 \_\_\_\_\_  
 Signature