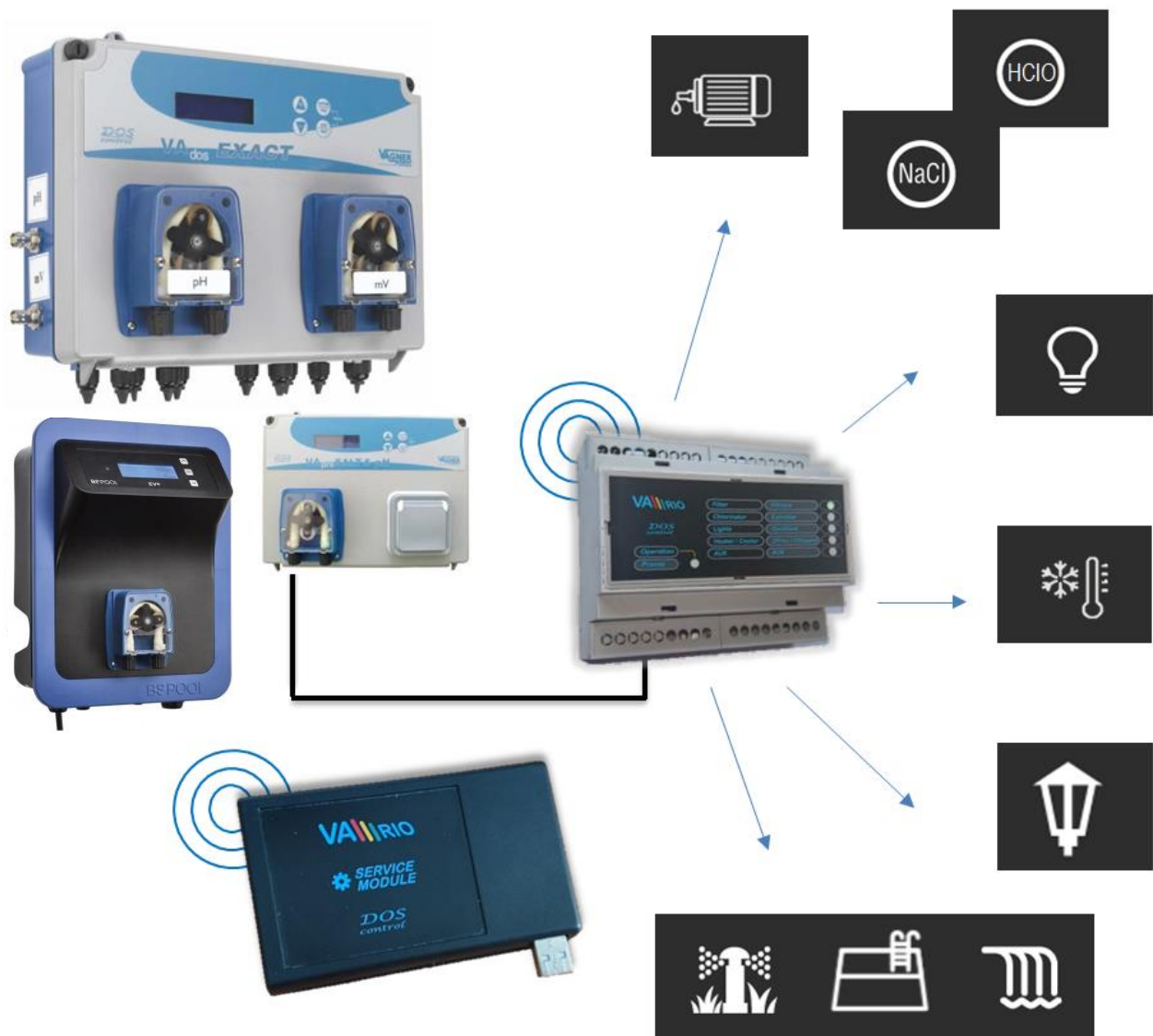


# POOL TECHNOLOGY CONTROL SYSTEM



--- service module ---



## 1. Safety instructions



**Read this user manual before installation and unit activation.** Should you need any explanation or should you have any doubts, do not hesitate to contact Your VArio supplier.



**If you use any personal electronic medical device (pacemaker, etc.),** please consult the device manufacturer concerning potential radio interference which may affect the medical device. VArio system modules use radio communication on 869,530 MHz with peak output  $\leq 20\text{mW}$ .

The unit shall be always installed by a trained professional. Always disconnect the main power supply before performing repairs or maintenance, or before connecting additional external devices.



The DIN module must always be powered from the safety-protected power source of filtration or recirculation pump.

The system uses radio-frequency communication. It is forbidden to use the device near mines / quarries or any places with possible risk of explosion.

## 2. General information

Service Module is a Plug&Play device that enables an authorized person to set/modify operating parameters of the DIN module and download / backup operation data from internal memory. The service module is connected to a PC via USB and uses radio to communicate with the DIN module.

**Service module is solely for trained professionals with registration – not for retail!**

### Service module - functions

- edit the security code (necessary for time and date settings in DIN module)
- set max. operation temperature
- set max. operation time in manual mode [ON] or shock chlorination [XXCL]
- set the delay for heating/cooling relay output
- adjust the strength of radiofrequency signal
- select the operation mode for R2 relay (Dosing mode / Attraction2 mode)

## 3. Technical information

### Service module

Dimensions (w – h – d)	110 x 66 x 27 mm
Material	polystyrene
Power supply	USB 5V / 300mA
Frequency / Band	869,530 / P, max. output $\leq 20\text{mW}$



## 4. Installation and PC connection

The service module must be connected to the PC via the USB 2.0 interface. 3.0. The operating system should automatically recognize the USB interface or install required drivers automatically. The operating system creates a COM communication port. This port must be then selected in the program VA RIO USB for proper operation of the Service and DIN module.



**The VArio Service Program together with the USB drivers can be downloaded here:**

<https://www.variopools.com/download/>

- 1) Connect the Service module via USB interface to PC.

The operation system automatically assigns a COM port to the used USB port

Here you can check/find the assigned COM port:

**This computer / Computer Management / Device Manager / Ports (COM and LPT)**

(in this case **COM5**)

- > Myši a jiná polohovací zařízení
- > Počítač
- > Porty (COM a LPT)
  - Komunikační port (COM1)
  - USB-SERIAL CH340 (COM5)**
- > Poskytovatel tiskových služeb WSD
- > Procesory
- > Řadiče IDE ATA/ATAPI
- > Řadiče paměťových zařízení
- > Řadiče USB (Universal Serial Bus)

2) Open the Vario Service program

**DIN module connection, memory reading, time synchronization**

- A.** Select the preferred language (EN),
- B.** Choose the right communication port as described above (in this case COM5),
- C.** Enter the SN of the DIN module (the SN is on the back side of the module),
- D.** Click the “**Connect**” button to pair your service module with the DIN module,
- E.** Save the data from internal EEPROM memory of the DIN module using the “**Save**” button (export takes approx. 5 min and will be saved in an automatically created folder: C:\Vario\snXXXX\),
- F.** Synchronize date and time settings of the DIN module with the “**Synchronize**” button,
- G.** Import the operation settings of the DIN module using the “**Load from DIN**” button,
- H.** Save and send your settings to the DIN module with the “**Send to DIN**” button.

VarioServis11

**Vario Servis 11** A EN

COM port B COM4

C DN 18MO110022 D Connect

Download EEPROM log E Download

**DIN module settings**

Time and date F Synchronize

Parameters G Load from DIN H Save to DIN

Password (0000 - 9999) 1234

Max. temperature (15-38°C) 35

Filtration MAN/xxCL (2-30h) 24

Heating delay (2-15min) 5

RF power(1-7) 5

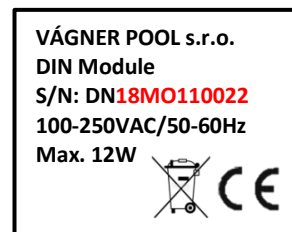
R2-Relay configuration Dosing

Flush duration (2-5min) 3

☐ Local VarioWiFi Password reset

**DNXXXXXXXXXX**

Serial number printed on the DIN Module side label



**DNXXXXXXXXXX**

Serial number on the microchip label



## Setting the operating parameters

VarioServis11

**Vario Servis 11** EN

COM port COM4

DN 18MO110022 Connect

Download EEPROM log Download

**DIN module settings**

Time and date Synchronize

Parameters Load from DIN Save to DIN

**1** Password (0000 - 9999) 1234

**2** Max. temperature (15-38°C) 35

**3** Filtration MAN/xxCL (2-30h) 24

**4** Heating delay (2-15min) 5

**5** RF power(1-7) 5

**6** R2-Relay configuration Dosing

**7** Flush duration (2-5min) 3

**8** ☐ Local VarioWiFi Password reset

### 1 - Password

set the verification code (necessary to save date and time settings/DIN module)  
(default password 1234)

### 2 - Max. temp

set the max. operation temperature of the pool heating system  
(this case max. adjustable temp. 35°C)

### 3 - Max. filtration time

set the maximum operation time for the manual mode [ON] or the shock chlorination mode [XXCL]  
(this case time ON – 24/24-CL hours)

### 4 - Heating delay

set the delay in mins for the heating/cooling relay output  
(this case 5 minutes delay)

**5 - RF power** – adjust the strength of the radiofrequency signal  
(Recommended value = 5)

**6 - Konfigurace relé R2/R2 relay configuration** – select an operation mode for the R2 relay:  
R2 = Dosing (timed control)  
R2 = Attracion2 (timer)

**7 Flush time** – for active dosing or heating, an additional time period can be preset to flush the pipes clean of chemicals or hot water after the filtration cycle shut-off

VÁGNER POOL s.r.o.  
WiFi Module  
S/N: WF19MO110023  
Web: mYPH-fw01-jgCW  
100-250VAC/50-60Hz



**8 Reset local VarioWiFi password** – should the customer need to reset the password for local WiFi mode (eg. forgotten password), it can be reset to factory default value using this button.

(SSID: WiFi Module Serial Number (e.g. WF19MO110023) / Password: VarioPool)

**SN: WFxxxxxxx** (Serial number on the WiFi module label – SSID for local operation mode)

**Web: xxxx-xxxx-xxxx** (Registration number for connecting via the Internet – [www.variopools.com](http://www.variopools.com))

# DECLARATION OF CONFORMITY

The company VÁGNER POOL s.r.o. hereby declares, that all below-listed products meet the necessary requirements for placing the product on the market:

Product line: **VARio – Pool Technology Remote Control System**  
Directive: **RED Directive č. 2014/53/EU**

Module: **DIN Module**

Applicable norms: **EN 62368-1: 2014/A11:2017, EN 60730-1: 2016, EN 62479: 2010  
EN 301 489-1 V2.1.1, EN 301 489-3 V2.1.1  
EN 300 220-1 V3.1.1, EN 300 220-2 V3.2.1**

Module: **WiFi Module**

Applicable norms: **EN 62368-1: 2014/A11:2017, EN 62311: 2008  
EN 301 489-1 V2.1.1, EN 301 489-3 V2.1.1, EN 301 489-17 V3.1.1  
EN 300 220-1 V3.1.1, EN 300 220-2 V3.2.1, EN 300 328 V2.1.1**

Module: **RC Module**

Applicable norms: **EN 62368-1: 2014/A11:2017, EN 62479: 2010  
EN 301 489-1 V2.1.1, EN 301 489-3 V2.1.1  
EN 300 220-1 V3.1.1, EN 300 220-2 V3.2.1**

Module: **Service Module**

Applicable norms: **EN 62368-1: 2014/A11:2017, EN 62479: 2010  
EN 301 489-1 V2.1.1, EN 301 489-3 V2.1.1  
EN 300 220-1 V3.1.1, EN 300 220-2 V3.2.1**

Conformity was checked by Technický skúšobný ústav Piešťany (TSÚ), which – based on test report No. 190500058/1-4 – issued Conformity Certificates to all of the above-listed modules.

Declaration Issue Date: **20. 3. 2019**

Producer Stamp and Signature:



## PRODUCER:

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More information and documentation about VARio system can be downloaded here: [www.variopools.com](http://www.variopools.com).