| | Fresh Water | Pool Water | Sea Water | 220-240 V | 400 V | 110-120 V | 50 Hz | 60 Hz | 12 V AC | 24 V DC | DMX | DMX/RDM | Plug and Spray |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WECS II 512/02 | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ● | ● | ● |
| WECS II 1024/02 | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ◗ | ● | ● | ● |

# WECS II 512/02 AND WECS II 1024/02

The new WECS II controller generation is capable of bi-directional (DMX-RDM) communication. The WECS II 512/DMX/02 is the new standalone Entertainment-Controller for 512 DMX/

RDM-Channels, and the WECS II 1024/DMX/02 is the new music standalone Entertainment-Controller for 1024 DMX/RDM-channels with audio file.

**Product characteristics at a glance**
- Incl. Software
- Entertainment server standalone
- Entertainment server standalone with audio (56492 WECS II 1024/DMX/02)
- 512 DMX-RDM output channels standalone
- 1024 DMX-RDM output channels standalone (56492 WECS II 1024/DMX/02)
- 1024 DMX-RDM channels as interface for WECS II 2048
- Freely programmable inputs and outputs for controlling, shows, wind anemometers, water-level sensors, protections etc.
- User-friendliness
- Visual patching

## INNOVATION – MADE BY OASE



NEW

WECS II 512/02          WECS II 1024/02

The fanless controller transmits DMX-RDM data packets to the individual components (lights, pumps, DMX-RDM controllable nozzles, motion etc.) which enable them to act accordingly. In turn, they analyse the received data and send back their status signals like operating hours and temperature via the same cable. These status signals enable remote diagnosis and remote maintenance of the connected components. T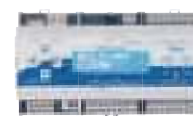he digital inputs can be linked to water level sensors or external push buttons. That enables to control shows and faders from outside.

Furthermore, as a special feature, the OASE Wind Anemometer drives the internal wind-fader directly to control fountain heights according to the wind speed. All digital outputs can be used to switch relays and frequency converters directly.

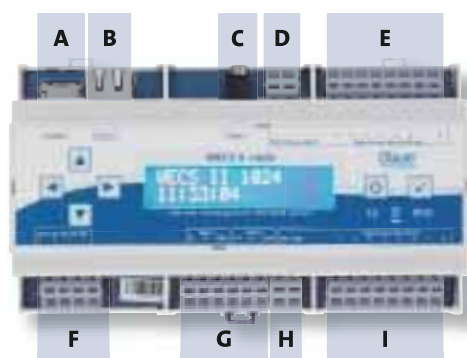Any number of shows or sequences for a project can be saved on the micro SD card (4 GB included).
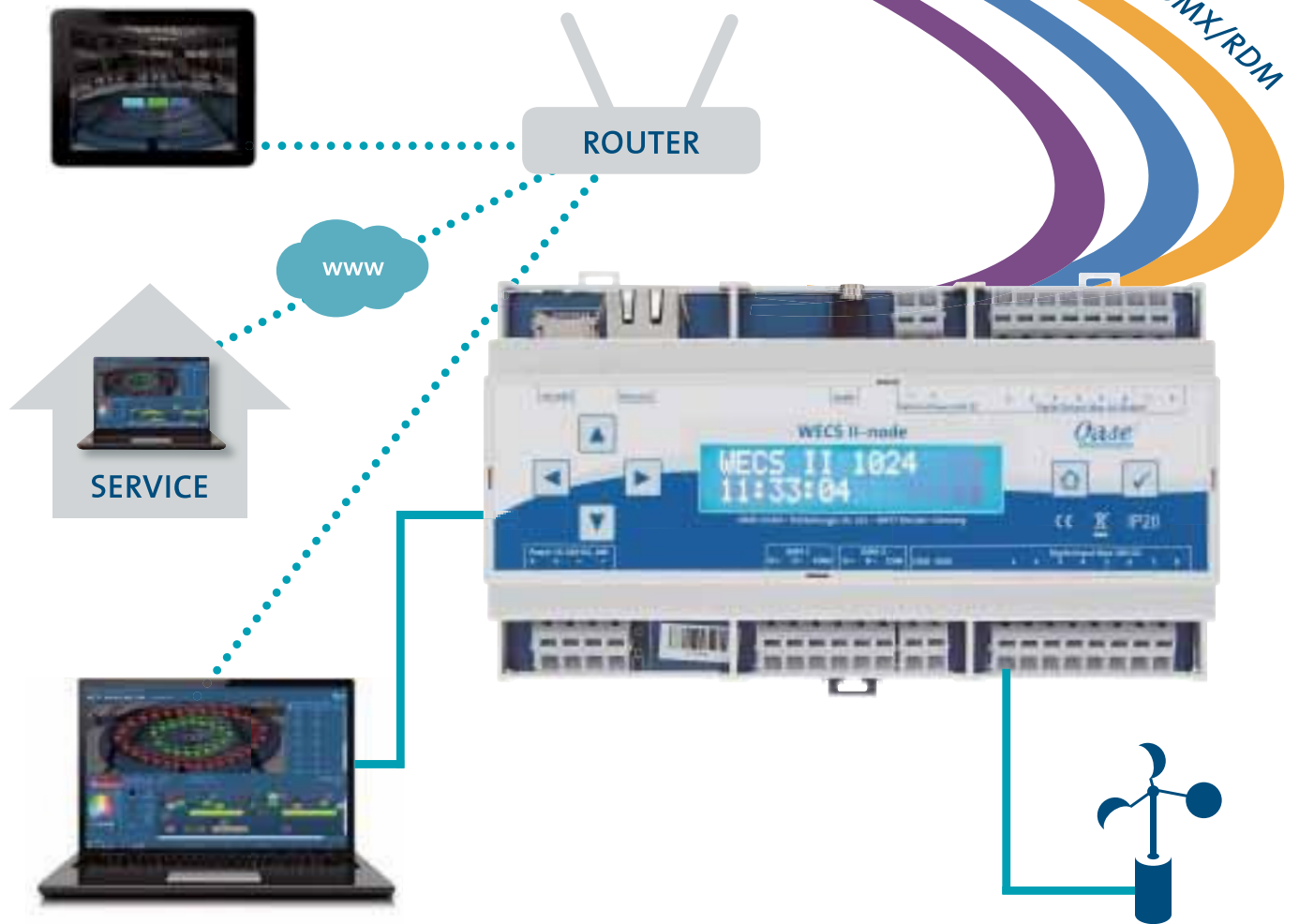
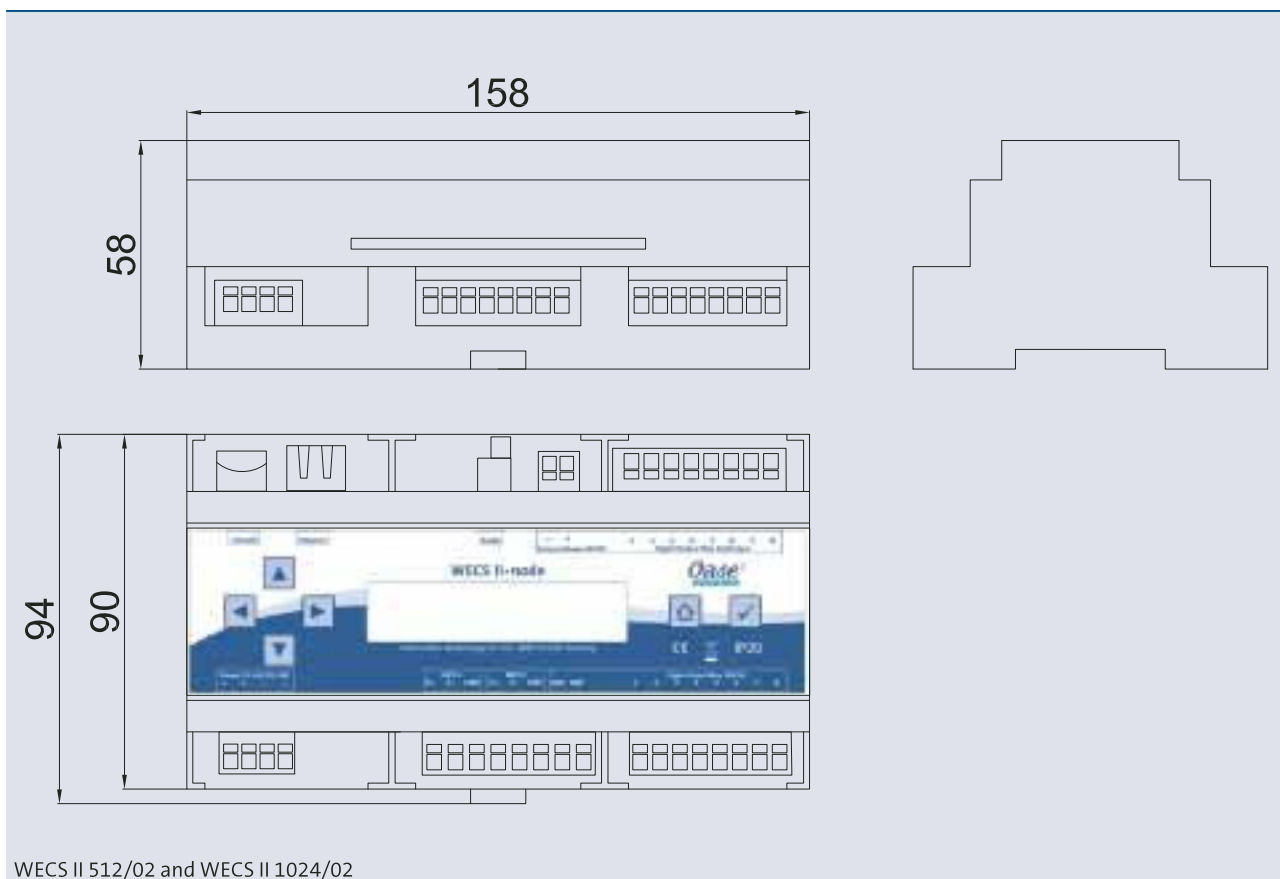# WECS II 512 / 1024
## OVERVIEW

| | | WECS II 512/DMX/02 | WECS II 1024/DMX/02 |
|---|---|:---:|:---:|
| **Hardware** | 512 channel RDM/DMX output | • | • |
| | 1024 channel RDM/DMX output | | • |
| | Easy to use front panel setup | • | • |
| | Interface 1024 channel | • | • |
| | 8 digital output | • | • |
| | 8 digital input | • | • |
| | DIN rail housing | • | • |
| | Audio output | | • |
| **Stand alone** | Stand alone capable | • | • |
| | Stand alone micro SD card 4GB | • | • |
| | Show upload via micro SD card | • | • |
| | Stand alone calendar | • | • |
| **Connectivity** | Ethernet RJ45 10/100 Mbit | • | • |
| **Software** | Fixture library | • | • |
| | Patching | • | • |
| | Operating & monitoring (Live page) | • | • |
| | RDM monitoring | • | • |
| | Logbook files | • | • |
| | Scenes | • | • |
| | Sequences | • | • |
| | Scheduler | • | • |
| | DMX channel preview | • | • |
| | Effects: SIN, COS, RECT, SAW UP/-DOWN | • | • |
| | Matrix programming | • | • |
| | Time schedule with internal clock | • | • |
| | Media support audio | | • |

**A** Any number of shows or sequences for a project can be saved on the micro SD card (4GB included).

**B** RJ-45 Ethernet

**C** Audio 3,5 mm stereo jack, galvanically isolated

**D** Connection of voltage supply +24V DC for digital outputs (-/+)

**E** 8x digital output 1A/output, galvanically isolated

**F** 4x connection to power supply (++/--) 15-24 V DC /8W

**G** 2x DMX-RDM outputs, galvanically isolated

**H** 2x grounding for digital inputs

**I** 8x digital inputs, galvanically isolated

DMX/RDM

ROUTER

www

SERVICE

WECS II-node

WECS II 1024
11:33:04

WECS II 512/02 and WECS II 1024/02

| Water Entertainment Control System | 512 II based on WECS-node | 1024 II based on WECS-node |
|---|---|---|
| Dimensions (L x W x H)            [mm] | 158 x 94 x 58 mm | |
| Weight | 0.33 kg | |
| Housing | Polycarbonate Light grey/white/blue for top-hat rail mounting (35mm DIN rail) or wall fastening | |
| Protection class | IP20 | |
| Power supply | 15..24V DC/ 8W | |
| Operation temperature | 0..40°C / 0..80% humidity non-condensed | |
| Certification | CE | |
| Outputs DMX-RDM | 512 DMX-RDM channels standalone | 1024 DMX-RDM channels standalone |
| Outputs | 8 x Digital Out (Clamps 24V DC/ 1A max., optically isolated) | |
| Inputs | 8 x Digital In (Clamps 24V DC., optically isolated) | |
| Others connections | Ethernet RJ45 10/100Mbit | |
| Memory | MicroSD-Card for Show-Files | |
| Operation | 2 x 16 Segment LCD Display with 6 keys | |
| Audio | – | Yes |
| Standaloneshows | WDS - Streamfile | WDS-Streamfile & Audio file |
| Interface | 2 x 512 DMX-RDM channels for WECS II 2048 ( O – Net ) | |
| Scheduler | Full Day- / Week- / Yearplaner | |
| Special | Dimming by external signal ( Oase anemometer Mat.53913 ) | |
| Action Manager | Event Actions: Digital Inputs can be linked with actions (waterlevel, windspeed) | |
| Software | WEPS (WECS II 512/1024) for Windows 7 or better | |
| **In the scope of delivery** | | |
| Hardware + MicroSD-Card + Software WEPS (WECS II 512/1024) | | |
| System Documentation | | |
| **Order no.** | 56491 | 56492 |