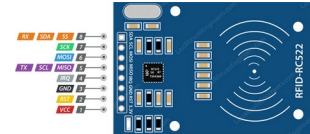
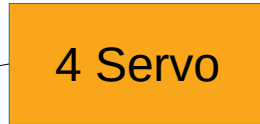
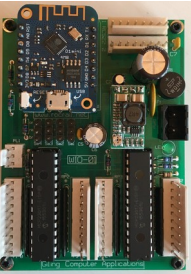


Basis Funktionalität
ESP3266 / ESP32

Auswahl einer
Zusatzfunktion

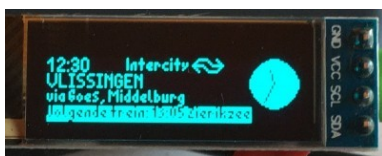
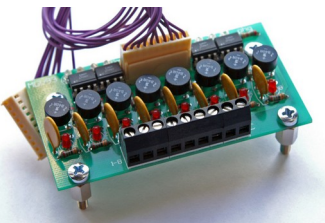
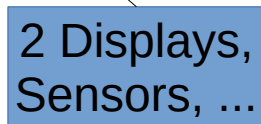
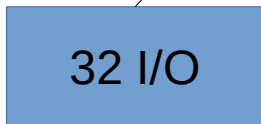
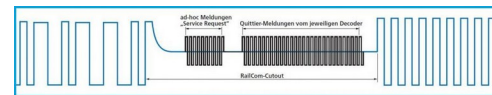
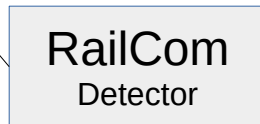
Der Booster wird nach ein Rocrail
Verbindungsabbruch automatisch
ausgeschaltet.



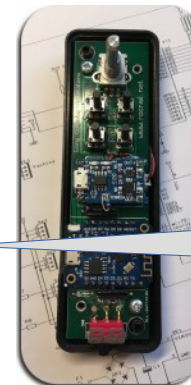
RC522



WS2812



SSD1306



Drahtlose
Handregler
Ohne Basis Funktionalität

Wichtige Schaltkommandos und Meldeereignisen
müssen gegenseitig bestätigt werden, sonst wird der
Automat angehalten.

WIO Setup

Der Basis WIO Setup über der Serielle Monitor:

- SSID
- WLAN Password
- Rocrail Server Name/IP

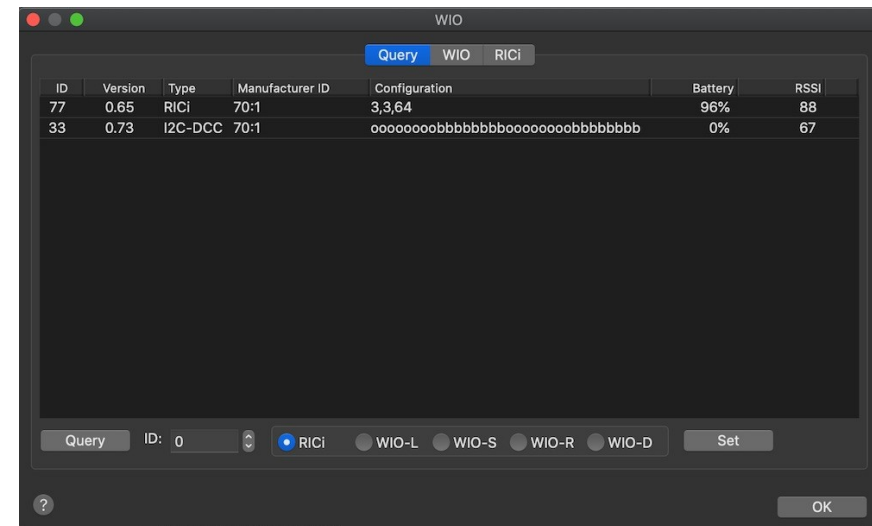
Die meiste Einstellungen werden in Rocrail festgelegt, was ein Austausch wesentlich vereinfacht.

```
-----
version=0.77 WIO 20191026a (c)Rocrail
ssid=
pwd=
server=mba2019
port=8051
name=
id=33
io=i2dcc
i2c=ooooooooooooooooooooo
steps=50
pulse=50
display=22
dccsc=0
RSSI=-47
MCP23017 status: 0x20=OK 0x21=OK
I2C device found at address 0x20
I2C device found at address 0x21
I2C device found at address 0x3C
I2C found 3 devices
loco1=0 loco2=3 active=0

Change settings by typing:
-----
*ssid=<your WiFi SSID>
*pwd=<your WiFi password>
*server=<your Rocrail server IP/host>
*port=<your Rocrail server port>
*name=<Node name>
*id=<Node number>
*io=<type> <throttle> or <i2cled> or <i2cservo> or <i2crids> or <i2cdcc>
*i2c=<ooooooooooooooooooooo
*steps=<number of rotary steps>
*pulse=<output pulse length in 100ms units>
*display=<geometry1><geometry2> 0=96x16 1=128x32 2=128x64
*dccsc=<short circuit detection> 0=off 1=on
set clock 7:49 bri=218
set clock 7:49 bri=218

 Autoscroll  Show timestamp
```

Nachdem ein WIO WLAN Verbindung hat, kann es in Rocrail weiter konfiguriert werden:



WIO-01

LOLIN D1 Mini

4 x Servo

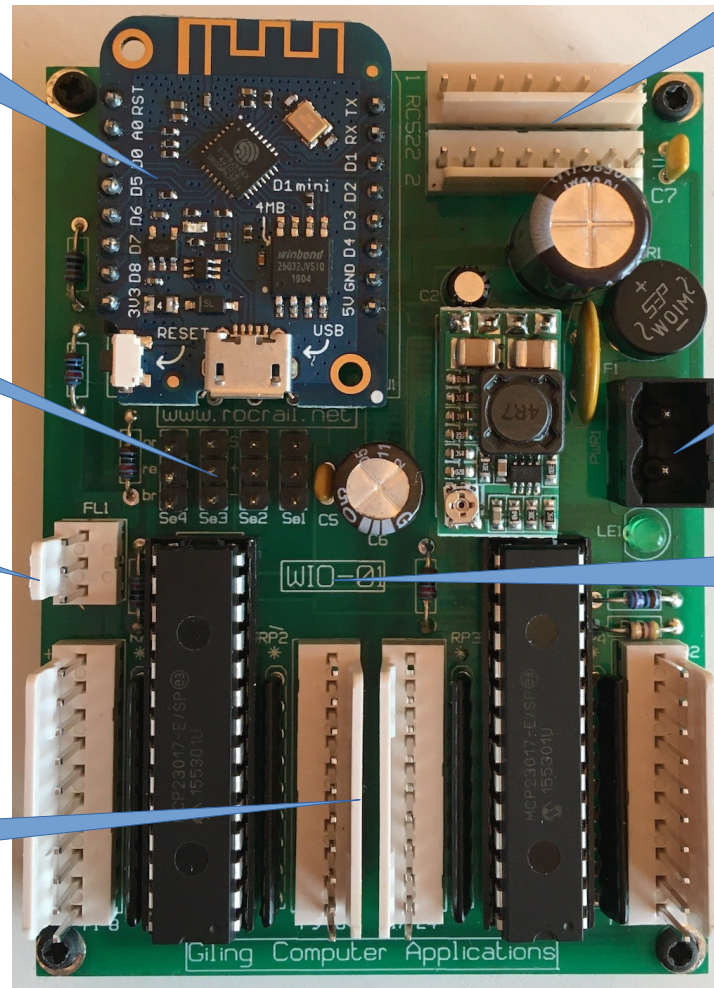
FastLED
128 Color LEDs

32 I/O

2 x SPI + 2 x I2C
RC522 / Display

Stromversorgung
DC/AC/Digital

DCC
Inkl. Kurzschluss und
Strommessung



Servo einstellen

The image shows a software interface for configuring a servo motor. The main window is titled "Switch sw2 (2/2)" and has several tabs: "Index", "General", "Interface", "Wiring", "Control", "Frog", "TD", and "Usage". The "Interface" tab is active, showing the following settings:

- Interface ID: WIO
- Bus: 33
- Protocol: Default
- Address: 4
- Port: 0
- Parameter: 30
- Value: 149
- Gate: red green
- Single Gate Invert
- Address: 0
- Port: 0
- Parameter: 0
- Value: 1
- Gate: red green
- Invert
- Switch time (ms): 1
- Synchronise
- Accessory
- Type: Output Lights Servo Sound Motor Analog Macro

A "Channel 4" dialog box is open, showing a "Range" of 180 to 0 and a "Preset" of "Servo". It features two sliders: "Left" (set to 30) and "Right" (set to 149). An "OK" button is at the bottom right.

Callouts provide additional information:

- Stellbereich:** 0° bis 180°
Parameter=Links
Value=Rechts
- WIO ID** (points to the Interface ID field)
- Servo Port** (points to the Port field)
- Fine Tuning** (points to the Value field)
- Typ Servo** (points to the Servo radio button in the Type section)

At the bottom of the interface are navigation buttons: <, >, </>, +, ABC, ?, Cancel, Apply, and OK.

Color LED einstellen

The image shows a configuration window titled "Output co2 (2/4)" with several tabs: "Index", "General", "Interface", and "Color". The "Interface" tab is selected. The window contains the following settings:

- Interface ID:** WIO
- Bus:** 33
- Protocol:** Default
- Address:** 6
- Port:** 0
- Gate:** red (selected), green
- Parameter:** on 6, off 0
- value:** 40
- Delay:** 6
- Options:** Switch, Invert, Blink, Color, Track plan color
- Accessory:** Type: Output, Servo, Motor, Macro, LED, Lights, Sound, Analog, Backlight, Function

Callouts on the left side of the window point to the following settings:

- WIO ID:** Points to the "Interface ID" field.
- LED Nummer:** Points to the "Address" field.
- Anzahl LEDs:** Points to the "value" field.
- Helligkeit:** Points to the "value" field.
- Dimming:** Points to the "Delay" field.

Callouts on the right side of the window point to the following settings:

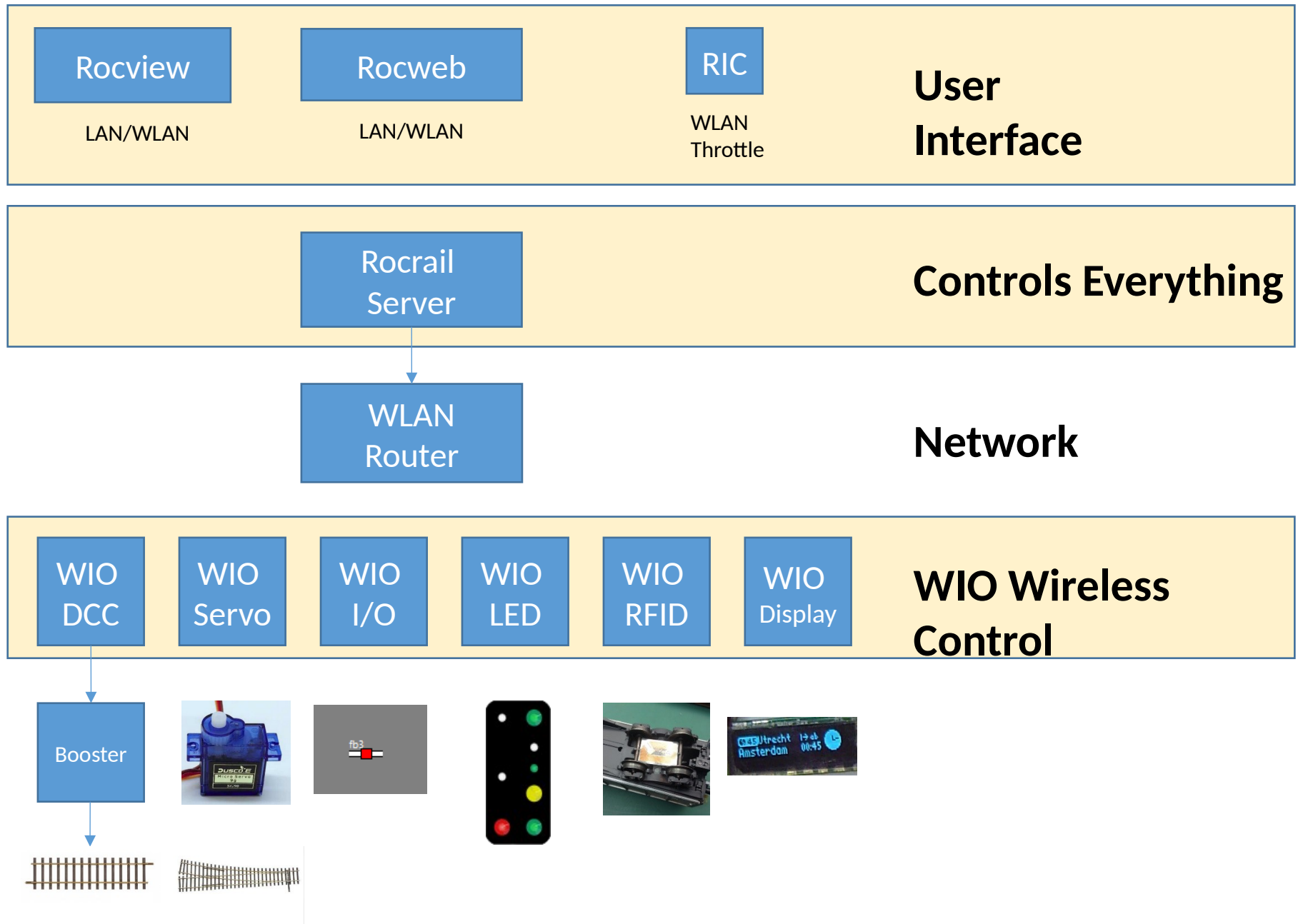
- Color Option:** Points to the "Color" checkbox in the Options section.
- Typ LED:** Points to the "LED" radio button in the Accessory Type section.

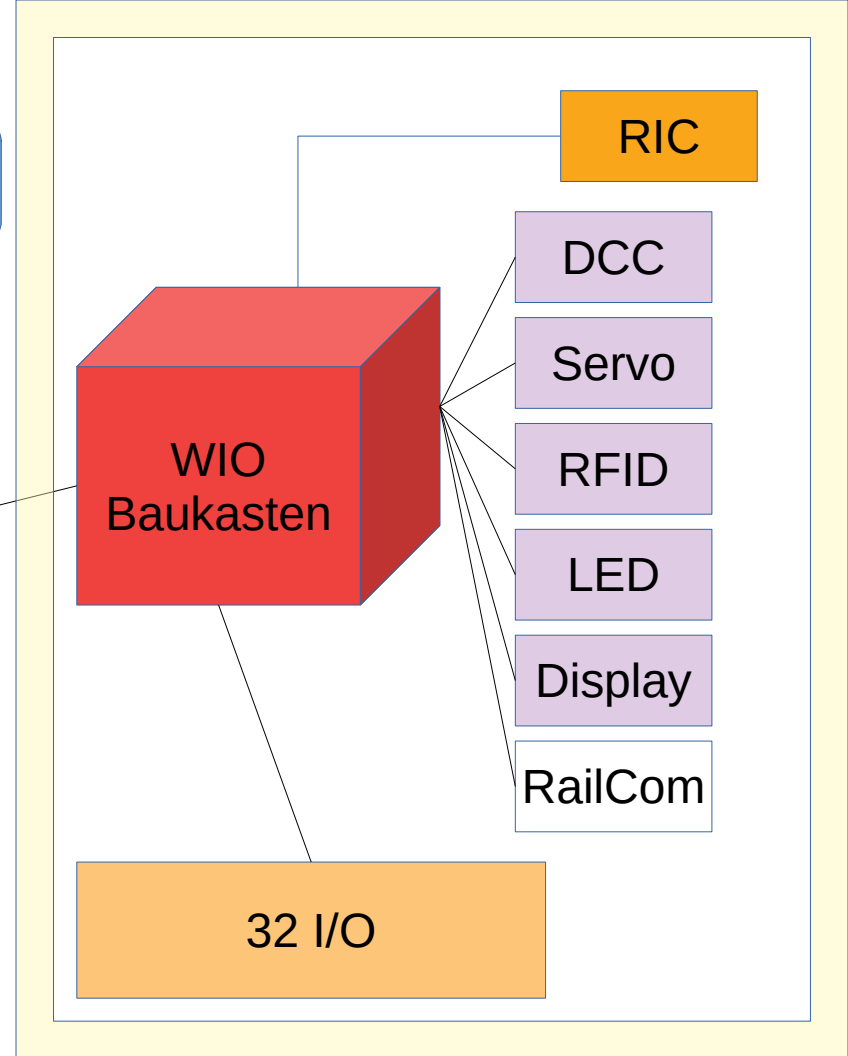
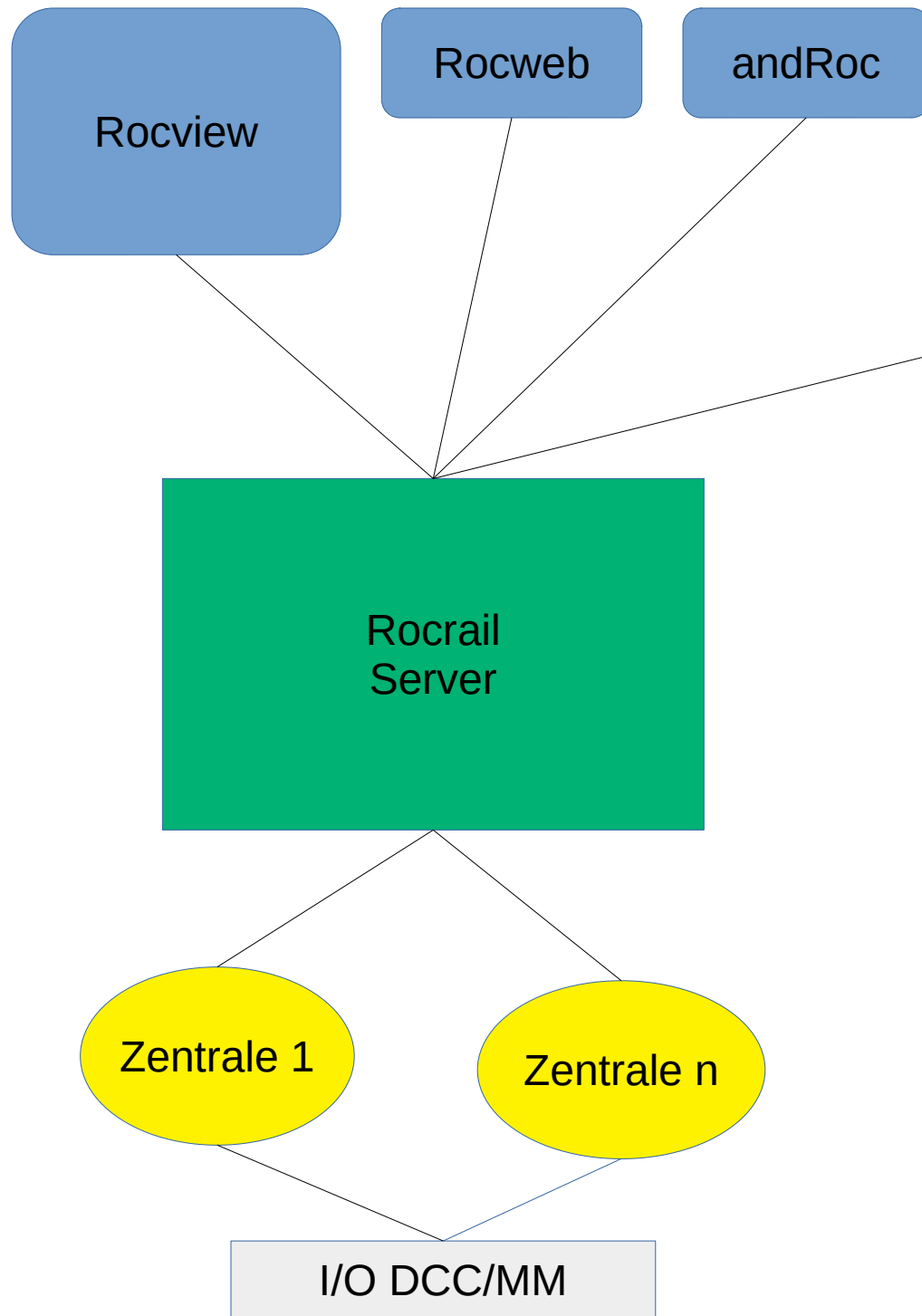
At the bottom of the window, there are navigation buttons: "<", ">", "</>", "+", "ABC", "?", "Cancel", "Apply", and "OK".

Was gibt es noch mehr?

- Einfache Signale mit max. 3 LEDs
- Servo Ausgang für zB ein Bahnschrank
- Spur 0...G Mini DCC Generator
- Displays mit „RocDisplay“ Formatierung
- I2C I/O ist 100% kompatibel mit alle GCA Interfaces

Overview





Rocrail
© rocrail.net

WMI