



DMX MASTER CONTROLLER ODX 400 PRO DATASHEET





Technical Specifications

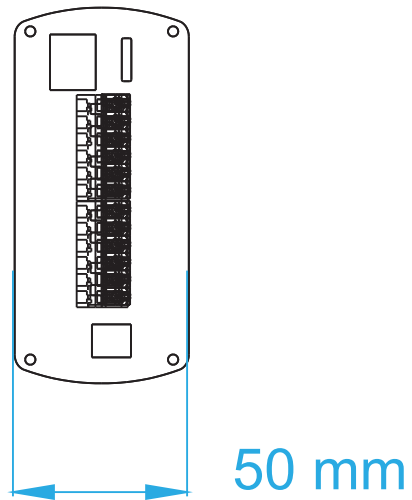
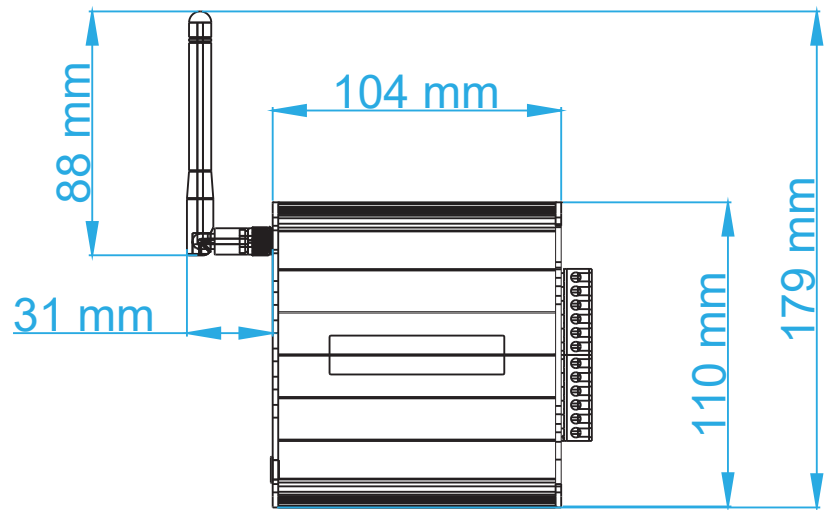


Operating Voltage	DC 5 V (EXT. Power Supply)
Operating Current	500mA
Power Consumption	2,50 W
Series	Pro
Interface	WEB Based
Connection	WiFi - Ethernet (Artnet)
Outputs DMX	4 x 3-Pin Screw Terminal
	4 X 512 Ch @40FPS
	4 X 1024 Ch @20FPS
Modes	Offline / File Player
	Online / ArtNet Reiciver
Memory	SD Card / 16GB
Remote	Builtin IR

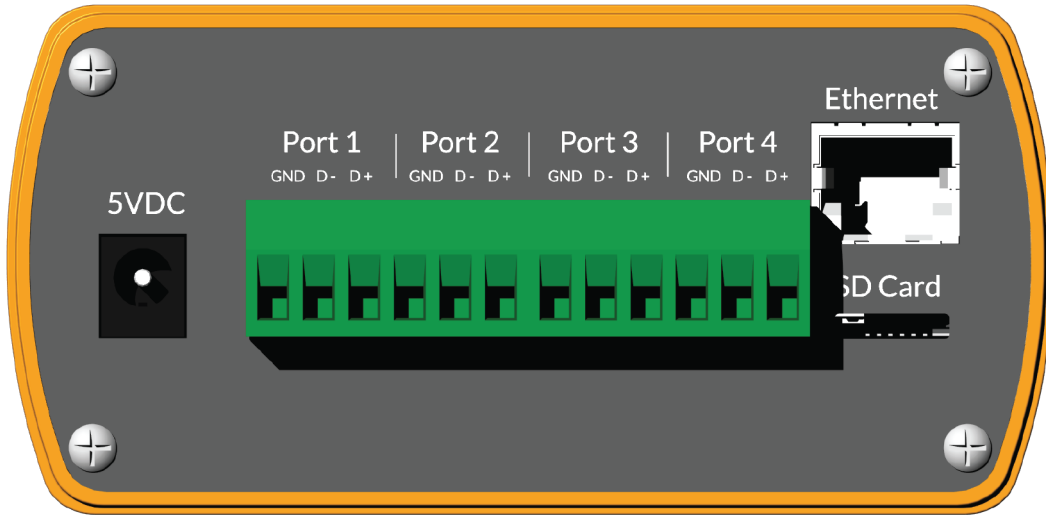
Operating Temp.	-40° C ~ 85° C
Operating Humidity	≥5% - 95% RH
Antenna Socket	SMA
Protection Class	IP20
Dimensions	110x50x103 mm
Weight	0,325 Kg
Materiel	Aluminium
Body Color	Ral 9005



▶ Dimensions

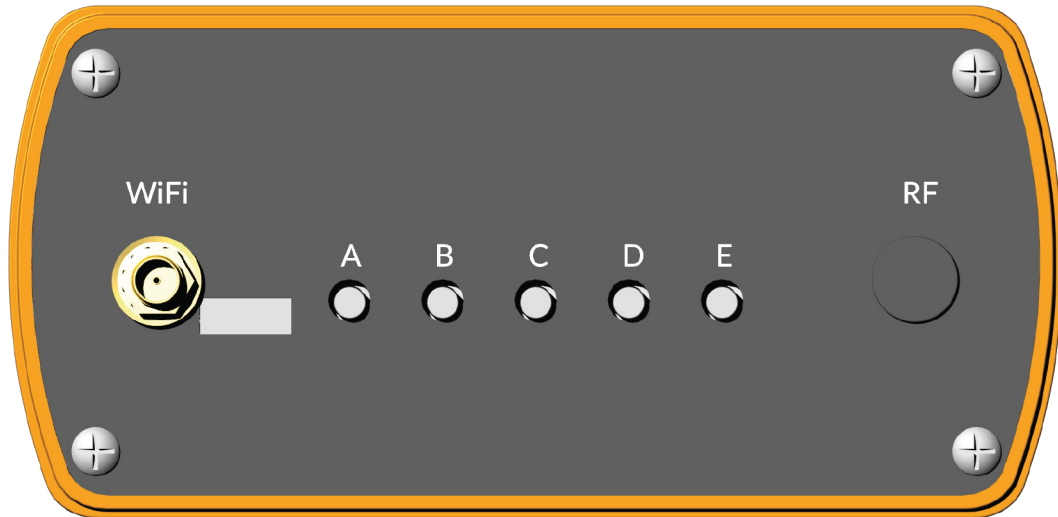


▶ Ports



Port 1			Port 2			Port 3			Port 4		
GND	DATA -	DATA +	GND	DATA -	DATA +	GND	DATA -	DATA +	GND	DATA -	DATA +

 **Control Buttons**



BUTTON	LONG PRESS (5 sec.)	SHORT PRESS	
A	CLEAR WiFi CREDENTIALS	MENU +	
B	WiFi ON/OFF	MENU -	
C	MODE ARNET RECEIVER / FILE PLAYER	**PLAY / STOP	
D		*ARTNET UNIVERSE +	**NEXT FILE
E		*ARTNET UNIVERSE -	**PREV. FILE

* When device in ARTNET RECEIVER Mode “D” and “E” buttons changes output universes. Default output universes sets to 1-4.

Press “D” button once to chage output universes to 2-5, then 3-6, then 4-7 etc...

Press “E” button once to chage output universes to 4-7 then 3-6, then 2-5 etc...

** Available when device in FILE PLAYER Mode

“C” button PLAY/STOP current scene file from SDCard.

“D” and “E” buttons changes scene file from SDCard.

 **Factory Reset**

Disconnect all connections from device.

Press and hold “A” button then plug power. Device will start with factory settings.



LCD Display Menus

Common Menus

To browse between menus by pressing “A” (Menu +) or “B” (Menu -) buttons.

```
DEVICE ID  
.OLIPTEK_15DE26
```

Displays device ID (Last 6 digit of Device ID is unique code and ID is different for every device)

```
WIFI IP(DYNAMIC)  
.192.168.1.134
```

Displays WiFi IP when Dynamic mode

```
WIFI IP(STATIC)  
.192.168.1.134
```

Displays WiFi IP when Static mode

```
WIFI STA MAC  
. A1B2C31234D4
```

Displays WiFi MAC address

```
ETH IP(STATIC)  
. 192.168.8.10
```

Displays ethernet MAC address

```
ETHERNET MAC  
. A1B2C31234D4
```

Displays device ID (Last 6 digit of Device ID is unique code and different for every device)

```
RUN TIME  
. 0d 00:00:00
```

Displays device ID (Last 6 digit of Device ID is unique code and different for every device)

```
VERSION  
.DMX 800.242.12
```

Displays device embedded software’s running version number

Network Connection Menus

Displays device connections status.

```
ETHERNET | WIFI  
. OK | OK
```

Both Ethernet and WiFi successfully connects to network

```
ETHERNET | WIFI  
. OK | X
```

Ethernet successfully connects to network
WiFi disconnects from network or device is in AP Mode

```
ETHERNET | WIFI  
. X | OK
```

Ethernet disconnects from network
WiFi successfully connects to network

```
ETHERNET | WIFI  
. X | X
```

Ethernet disconnects from network
WiFi disconnects from network or device is in AP Mode



▶ LCD Display Menus

▶ ARTNet Slave Menus

When device in “ARTNet Slave” mode displays current status

```
DMX STATUS
. ARTNET SLAVE
```

```
UNIVERSE RANGE
. 0 - 3
```

```
UNIVERSE RANGE
. 1 - 4
```

```
UNIVERSE RANGE
. 2 - 5
```

```
UNIVERSE RANGE
. 3 - 6
```

```
UNIVERSE RANGE
. 4 - 7
```

```
UNIVERSE RANGE
. 199 - 202
```

```
UNIVERSE RANGE
. 200 - 203
```

Press “D” and “E” buttons to increase / decrease universe range.

Press “D” and “E” buttons to increase / decrease universe range.

▶ LCD Display Menus

▶ File Player Menus

When device in "File Player" mode displays players current status

DMX STATUS
. STOPPED

Press "C" buttons to start/stop current scene data file.

DMX STATUS
. FILE001.dat

DMX STATUS
. FILE002.dat

DMX STATUS
. FILE003.dat

DMX STATUS
. FILE004.dat

DMX STATUS
. FILE100.dat

Press "D" and "E" buttons navigate between next and previous scene data file.

DMX STATUS
. FILE101.dat

DMX STATUS
. FILE102.dat

DMX STATUS
. FILE103.dat

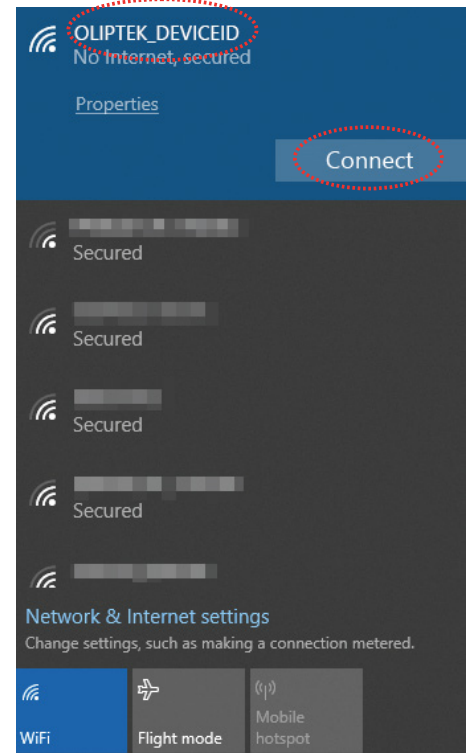
DMX STATUS
. FILE104.dat

DMX STATUS
. FILE999.dat



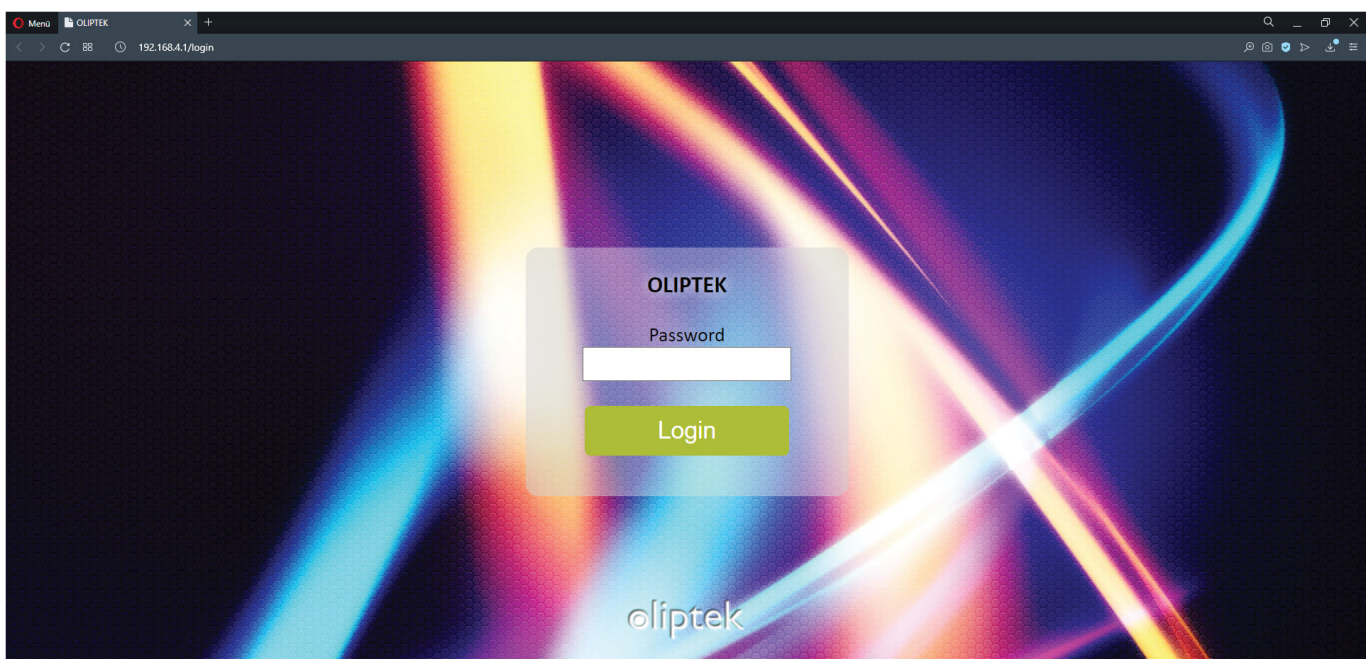
▶ **SETUP / Connection / WiFi (APMode)**

- Make sure your product is plugged in and turned on
- Press “B” button 5 seconds.
- Device will open its build-in WiFi AP Mode and waiting to connect user.
- View available wireless networks from your computer.
- The WiFi network of the device will appear as “OLIPTEK_DEVICEID” among wireless networks as shown in the figure.
- Select this network to connect.
- Default WiFi SSID password : oliptek123
- Default WiFi IP :192.168.4.1



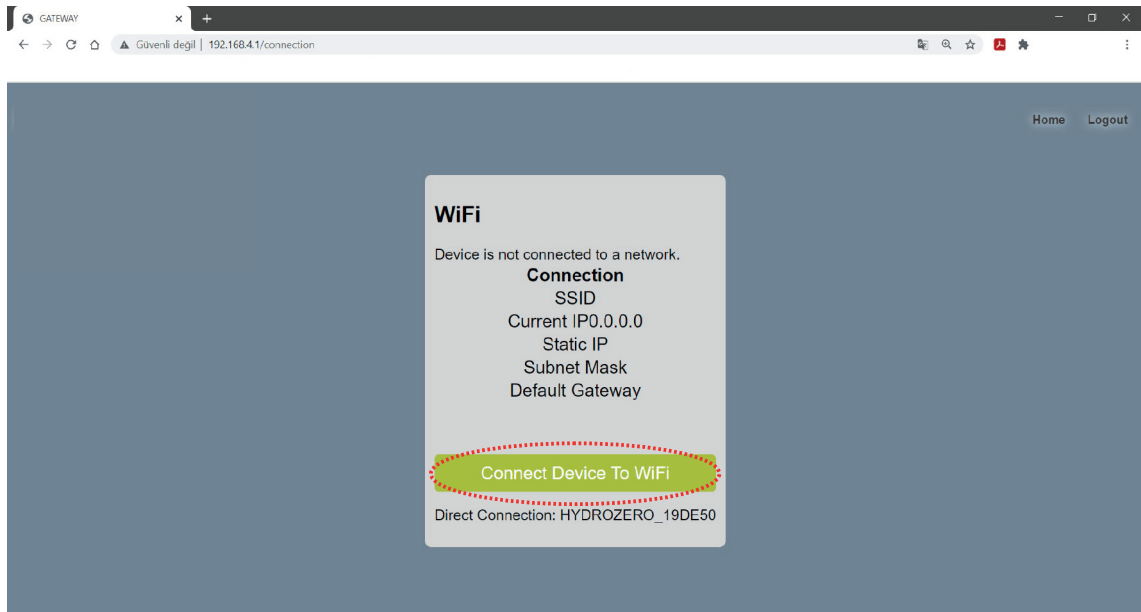
After connecting to WiFi network of the device, type <http://192.168.4.1> in your web browser (Chrome, Opera, Safari etc.). Browser will displays “LOGIN” page.

Default Login password : 1234

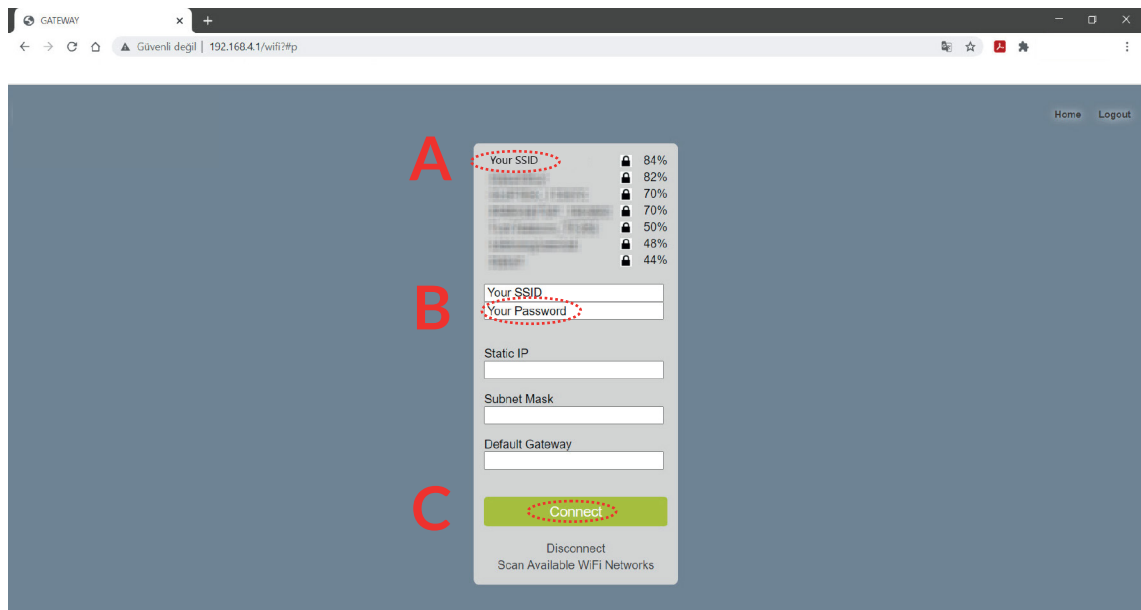


▶ SETUP / Connection / Local WiFi Networks

- 1 In "Connection" page, click "Connect Device to WiFi" button.

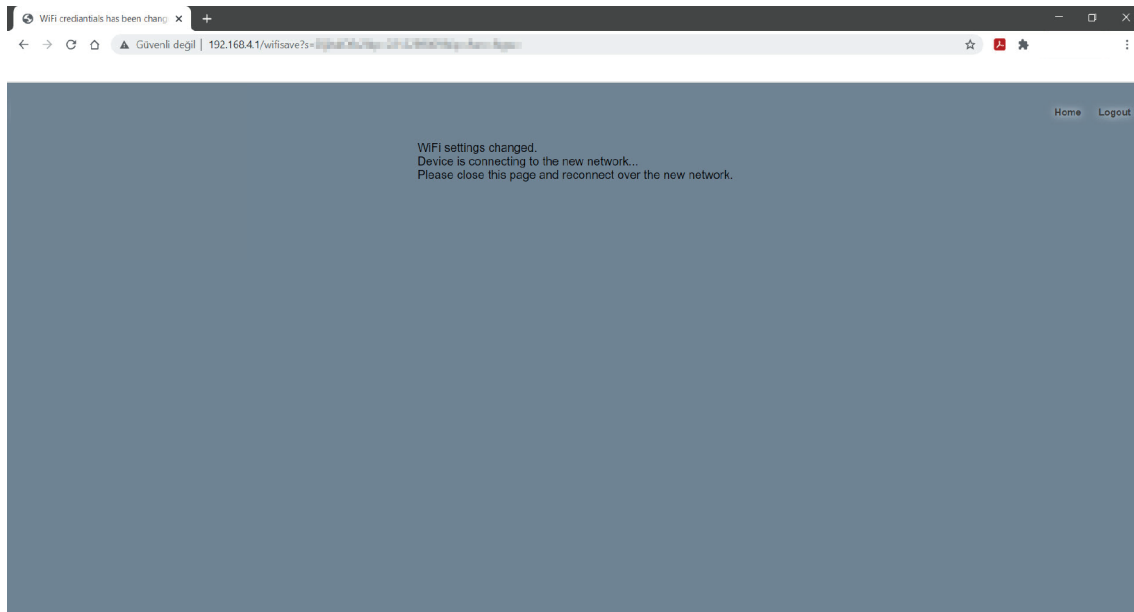


2. A - Click Your SSID
B - Enter Your Password
C - Click to "Connect" button.



▶ SETUP / Connection / Local WiFi Networks

3. Device will be reboot. Wait 10-20 seconds to connect to local WiFi Network.



4. When device connected to your local WiFi network,
 - Device will always connects your local WiFi network.

Until user; Perform "Factory Reset"
 Disconnect device manually via "Connection" page.
 Clear WiFi Credentials by pressing "A" button 5 seconds
 Turn Off device WiFi by pressing "B" button 5 seconds

▶ SETUP / Connection / Ethernet

- Make sure your product is plugged in and turned on.
- Connect device and your computer to the same network via ethernet cable.
- The lights on the ethernet port of the device need to be lit

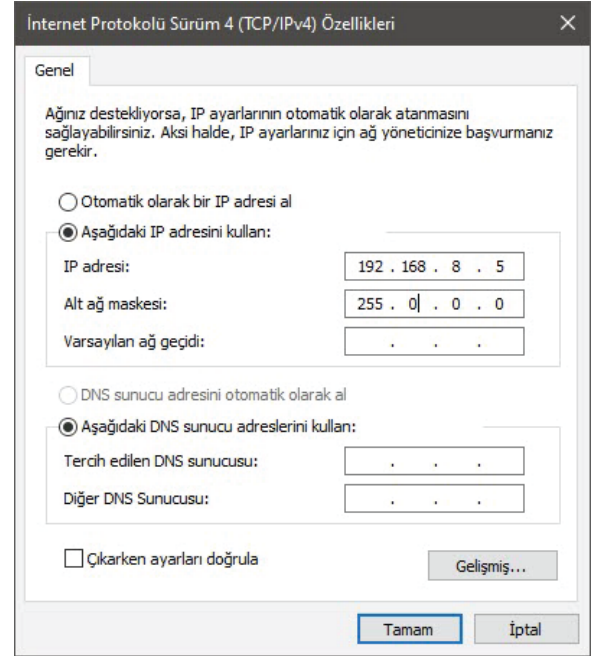


Green blink

Orange static

- Assign correct network settings in Windows operating system as shown in figure

- Default static IP of Device : 192.168.8.10



İnternet Protokolü Sürüm 4 (TCP/IPv4) Özellikleri

Genel

Ağınız destekliyorsa, IP ayarlarının otomatik olarak atanmasını sağlayabilirsiniz. Aksi halde, IP ayarlarınız için ağ yöneticinize başvurmanız gerekir.

Otomatik olarak bir IP adresi al

Aşağıdaki IP adresini kullan:

IP adresi: 192 . 168 . 8 . 5

Alt ağ maskesi: 255 . 0 . 0 . 0

Varsayılan ağ geçidi: . . .

DNS sunucu adresini otomatik olarak al

Aşağıdaki DNS sunucu adreslerini kullan:

Terah edilen DNS sunucusu: . . .

Diğer DNS Sunucusu: . . .

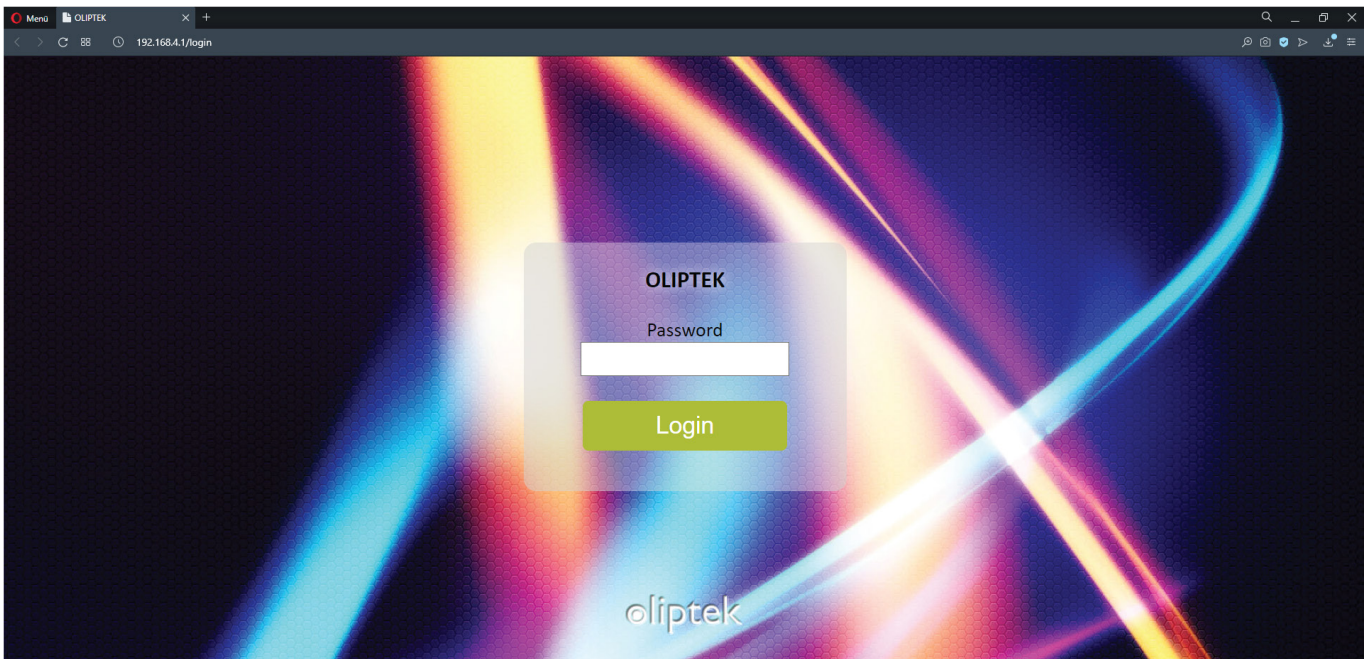
Çıkarken ayarları doğrula

Gelişmiş...

Tamam İptal

After connecting to network , type <http://192.168.8.10> in your web browser (Chrome, Opera, Safari etc.). Browser will displays "LOGIN" page.

Default Login password : 1234

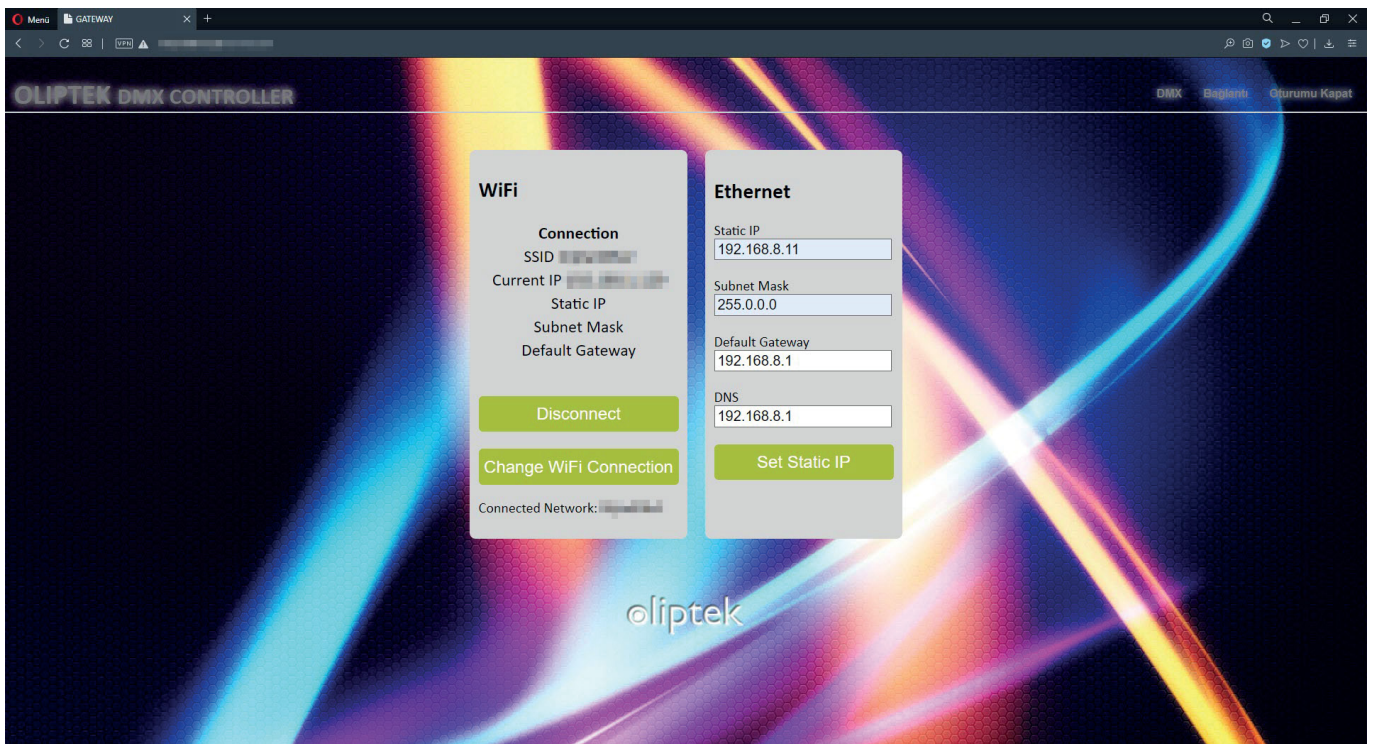


▶ SETUP / Connection / Change Default Static IP of Device

- In connection Page,

Type your preferred IP adress	(for example 192.168.8.11)
Type Subnet Mask as	255.0.0.0
Type Default Gateway	192.168.8.1
Type DNS	192.168.8.1

- Then press "Set Static IP" button.



Ethernet IP should appear;
in the "Settings" screen on the web interface or on the display of device under ETH IP menu.

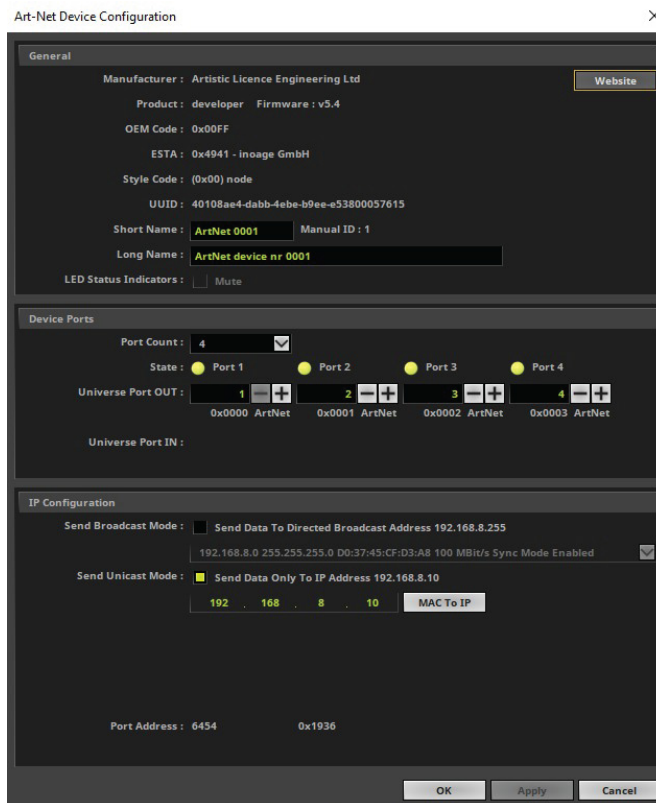
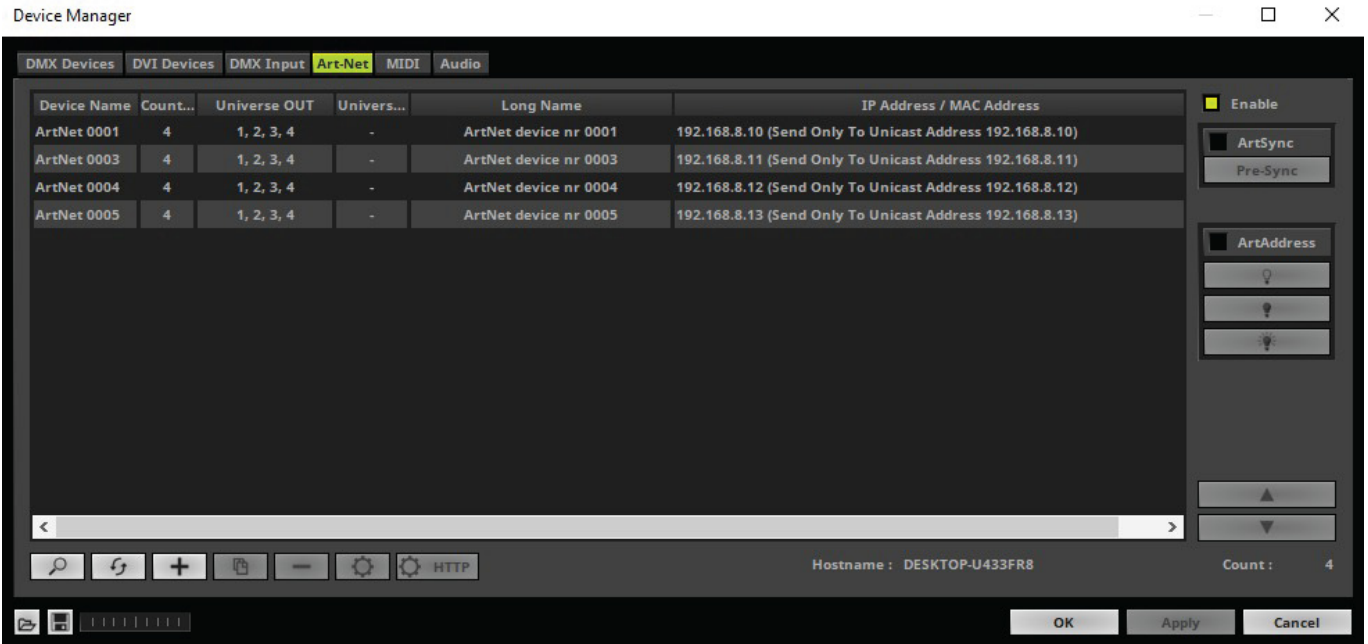
ID	OLIPTEK_19D3B0	Version	DMX 800.242.12
Device Name	Pusatina Iri	Pass	12345678
Guest Pass	1234	AP Pass	12345678
Admin Mail		Send Feedback	ON
Start Mail	ON	Error Mail	ON
GW Coords		GW Mode	normal
Master IP		Slave Key	
EXTERNAL IP		SSID	Pusatina Iri
WiFi AP MAC	B8:D7:AB:19:D3:B1	WiFi STA MAC	B8:D7:AB:19:D3:B0
ETH MAC	B8D7AB19D3B3	ETH IP	192.168.1.11
SD	OK	SD Total	1593902
Date Time	1/8/2007 23:46:41 (RTC)	RSSI	100
Connected Clients	0	Memory	L106816 C106800
Operation Time	0d 00:40:01		

Refresh



▶ SETUP / MADRIX SETTINGS

- Start the MADRIX Software and go to 'Preferences.. -> Device Manager... -> tab 'Art-Net' and activate 'Enable'. Click on the search button (loupe icon) and the device appears in the list.





▶ SETUP / MADRIX SETTINGS

- Go to 'Preferences...'->'Device Manager...'-> tab 'DMX Devices to configure the output. Activate 'Enable' for each required output port in the section 'Settings'.

The screenshot shows the 'Device Manager' window with the 'DMX Devices' tab selected. The interface displays a table of configured devices with the following columns: State, Device Name, Universe, OUT / IN, ms / FPS, and Frames. All devices are currently set to 'On'.

State	Device Name	Universe	OUT / IN	ms / FPS	Frames
On	ArtNet 0001 (manual 1, 192.168.8.10) Port:0	1	OUT	10 / 100.0	Optimized
On	ArtNet 0001 (manual 1, 192.168.8.10) Port:1	1	OUT	10 / 100.0	Optimized
On	ArtNet 0001 (manual 1, 192.168.8.10) Port:2	1	OUT	10 / 100.0	Optimized
On	ArtNet 0001 (manual 1, 192.168.8.10) Port:3	1	OUT	10 / 100.0	Optimized
On	ArtNet 0003 (manual 3, 192.168.8.11) Port:0	1	OUT	10 / 100.0	Optimized
On	ArtNet 0003 (manual 3, 192.168.8.11) Port:1	1	OUT	10 / 100.0	Optimized
On	ArtNet 0003 (manual 3, 192.168.8.11) Port:2	1	OUT	10 / 100.0	Optimized
On	ArtNet 0003 (manual 3, 192.168.8.11) Port:3	1	OUT	10 / 100.0	Optimized
On	ArtNet 0004 (manual 4, 192.168.8.12) Port:0	1	OUT	10 / 100.0	Optimized
On	ArtNet 0004 (manual 4, 192.168.8.12) Port:1	1	OUT	10 / 100.0	Optimized
On	ArtNet 0004 (manual 4, 192.168.8.12) Port:2	1	OUT	10 / 100.0	Optimized
On	ArtNet 0004 (manual 4, 192.168.8.12) Port:3	1	OUT	10 / 100.0	Optimized
On	ArtNet 0005 (manual 5, 192.168.8.13) Port:0	1	OUT	10 / 100.0	Optimized
On	ArtNet 0005 (manual 5, 192.168.8.13) Port:1	1	OUT	10 / 100.0	Optimized
On	ArtNet 0005 (manual 5, 192.168.8.13) Port:2	1	OUT	10 / 100.0	Optimized
On	ArtNet 0005 (manual 5, 192.168.8.13) Port:3	1	OUT	10 / 100.0	Optimized

At the bottom of the window, there are control buttons for search, settings, light, and a numeric keypad. A status bar indicates 'Universes In Use OUT : 16/8 IN : 0'. The bottom right corner contains 'OK', 'Apply', and 'Cancel' buttons.

▶ SETUP / MADRIX SETTINGS

- Configure your virtual LED matrix using "Preferences..." -> "Matrix Generator..." or "Patch Editor...".

