

# Captive Portal Setup guide

## DSR-1000AC / DSR-500AC

Firmware 3.08B302C



### Configuration Steps:

- Create Wi-Fi profiles for Office and for Guests.
- Setup Login Profile with desired Portal layout.
- Add Guest users into local database
- Add Guest VLAN
- Optional: Apply bandwidth limitations on Guest network
- Optional: Setup router ports to work with Guest VLAN

Add a new Profiles for your Wi-Fi network: E.g. one for Office Users, another one for Guests.

### Profile Configuration

Profile Name	<input type="text" value="Office"/>	
SSID	<input type="text" value="Office"/>	[Length: 1 -32]
Broadcast SSID	<input checked="" type="checkbox"/> ON <input type="checkbox"/>	
Security	<input type="text" value="WPA+WPA2"/>	▼
Encryption	<input type="text" value="TKIP+CCMP"/>	▼
Authentication	<input type="text" value="PSK"/>	▼
WPA Password	<input type="text" value="....."/>	
Protect Management Frame	<input type="checkbox"/> OFF	
Radio Mode	<input type="text" value="Both"/>	▼

### Profile Configuration

Profile Name	<input type="text" value="OfficeGuest"/>	
SSID	<input type="text" value="OfficeGuest"/>	[Length: 1 -32]
Broadcast SSID	<input checked="" type="checkbox"/> ON <input type="checkbox"/>	
Security	<input type="text" value="OPEN"/>	▼
Radio Mode	<input type="text" value="Both"/>	▼

Assign created wireless profiles to the Access Points.

### Access Points List

Show  entries [Right click on record to get more options]

Status	Virtual AP	SSID	Broadcast	Profile Name	Active Time
Enabled	ap1	Office	Enabled	Office	No (Turn-off)
Enabled	ap5	OfficeGuest	Enabled	OfficeGuest	No (Turn-off)

Showing 1 to 2 of 2 entries

[Add New Access Point](#)

- Select All
- Edit
- Disable
- MAC Filter
- Status
- Delete

### Access Point Configuration

AP Name: ap1

Profile Name:

Active Time:  OFF

WLAN Partition:  OFF

## Access Point Configuration

AP Name

ap5

Profile Name

OfficeGuest

Active Time

OFF

WLAN Partition

ON

Add a new Login Profile for Office Guests. Customise the look and messaging on the login page to your liking:

### Login Profile Configuration

**General Details**

Profile Name	<input type="text" value="GuestPortal"/>
Browser Title	<input type="text" value="Please Login"/>
Background	<input type="radio"/> Image <input checked="" type="radio"/> Color
Page Background Color	<input type="text" value="White"/>
Minimal Page for Mobile Devices	<input checked="" type="checkbox"/>

**Header Details**

Background	<input type="radio"/> Image <input checked="" type="radio"/> Color
Header Background Color	<input type="text" value="White"/>
Header Caption	<input type="text" value="Authentication Required"/>
Caption Font	<input type="text" value="Tahoma"/>
Font Size	<input type="text" value="Medium"/>
Font Color	<input type="text" value="Black"/>

**Login Details**

Login Section Title	<input type="text" value="Please Login"/>
Welcome Message	<input type="text" value="Please Login"/>
Error Message	<input type="text" value="Invalid UserName or Password"/>

Result:

Get User DB **Groups** Users

This page shows the list of added groups to the router. The user can add, delete and edit the groups also

### Groups List

Show  entries [Right click on record to get more options]

Group Name	Description
ADMIN	Admin Group
GUEST	Guest Group
OfficeGuests	Office Guests

Add a new Group for Office Guests. Make sure to select the "Captive Portal User" option:

The image shows a 'Group Configuration' form with the following fields and options:

- Group Name: OfficeGuests
- Description: Office Guests
- User Type: Admin, Network (selected), Guest
- PPTP User: OFF
- L2TP User: OFF
- Xauth User: OFF
- OpenVPN User: OFF
- SSLVPN User: OFF
- Captive Portal User: ON (highlighted with a red box)
- Idle Timeout: 10 [Default: 10, Range: 1 - 999] Minutes

Add new users and assign them to the Office Guests group:

**User Configuration**

User Name	<input type="text" value="guest1"/>
First Name	<input type="text" value="Office"/>
Last Name	<input type="text" value="Guest"/>
Select Group	<input type="text" value="OfficeGuests"/>
Enable Password Change	<input type="checkbox"/> OFF
MultiLogin	<input checked="" type="checkbox"/> ON <small>[ Applicable only for captiveportal users ]</small>
Password	<input type="password" value="....."/>
Confirm Password	<input type="password" value="....."/>

Result:

Get User DB Groups **Users**

This page shows a list of available users in the system. A user can add, delete and edit the users also. This is the list of users.

### Users List

Show  entries [Right click on record to get more options]

User Name	Group Name	Login Status
admin	ADMIN	Enabled (LAN) Enabled (WAN)
guest	GUEST	Disabled (LAN) Disabled (WAN)
guest1	OfficeGuests	Enabled (LAN) Enabled (WAN)



Network > VLAN > VLAN Settings

Make sure VLANs are enabled.

Add a new VLAN:

### VLAN Configuration

VLAN ID	<input type="text" value="5"/>	[Default: 1, Range: 2 - 4093]
Name	<input type="text" value="OfficeGuests"/>	
<b>Captive Portal</b>		
Captive Portal	<input checked="" type="checkbox"/> ON <input type="checkbox"/>	
Authentication Server	<input type="text" value="Local User Database"/>	▼
Login Profile Name	<input type="text" value="GuestPortal"/>	▼ <a href="#">Create a Profile</a>
Redirect Type	<input checked="" type="radio"/> HTTP <input type="radio"/> HTTPS	
Activate InterVLAN Routing	<input type="checkbox"/> OFF	
<b>Multi VLAN Subnet</b>		
IP Address	<input type="text" value="192.168.99.1"/>	
Subnet Mask	<input type="text" value="255.255.255.0"/>	

Inter VLAN Routing gives this VLAN access to other VLANs on LAN.

Subnet Mask

255.255.255.0

### DHCP

DHCP Mode

None  DHCP Server  DHCP Relay

Domain Name

OfficeGuests

Starting IP Address

192.168.99.2

Ending IP Address

192.168.99.254

Default Gateway

192.168.99.1

Primary DNS Server

4.2.2.2

Secondary DNS Server

8.8.8.8

Lease Time

2880

[Range: 0 - 262800] Hours

### LAN Proxy

Enable DNS Proxy

ON

Result:

### VLAN Configuration

Vlan Enable  ON

#### VLAN List

Show  entries [Right click on record to get more options]

Name	VLAN ID	IP Address	Subnet Mask	Captive Portal
Default	1	192.168.10.1	255.255.255.0	Free
OfficeGuests	5	192.168.99.1	255.255.255.0	Permanent User

Showing 1 to 2 of 2 entries

Network > VLAN > Port VLAN

Change the VLAN tag on Wireless SSID for Office Guests:

### Port VLAN Configuration

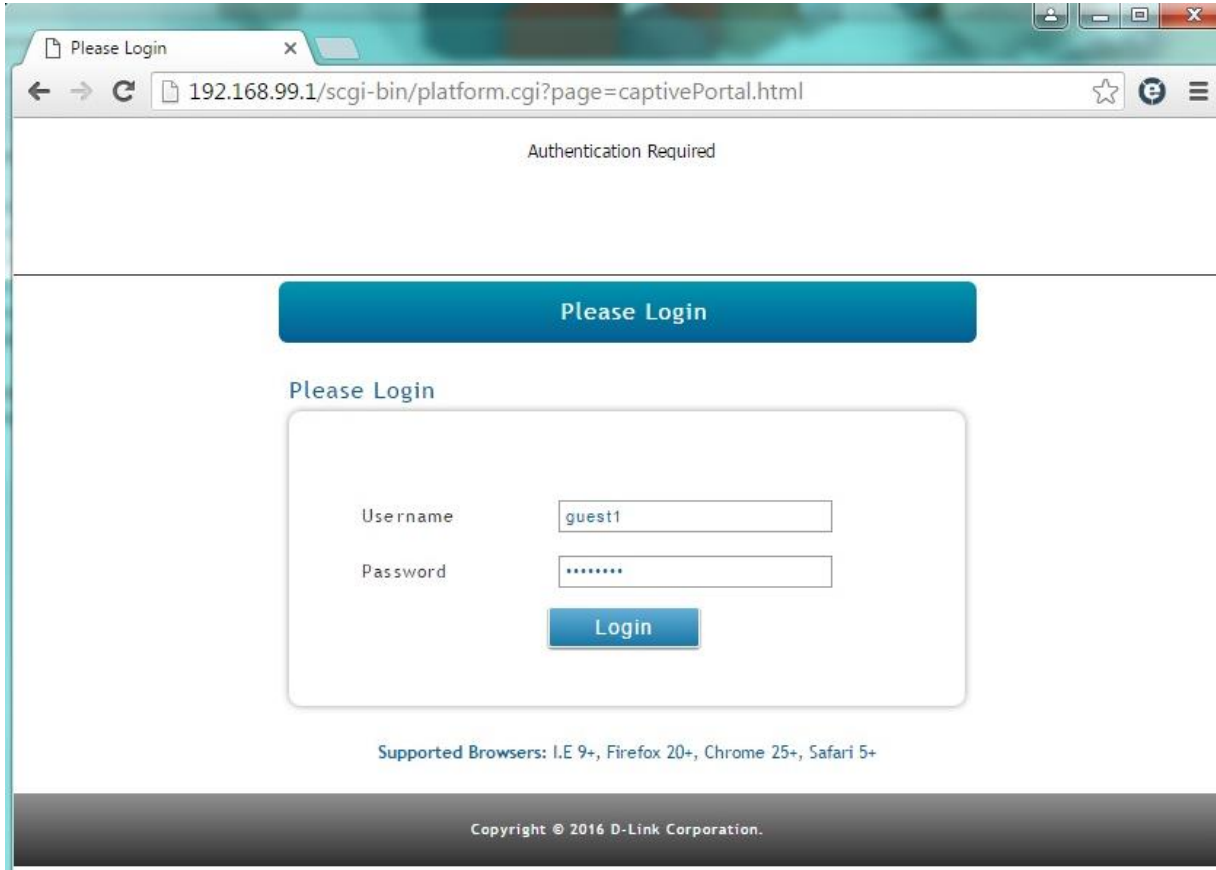
Port Name	Port15
Mode	Access
PVID	5 [Default: 1, Range: 2 - 4093]

Result:

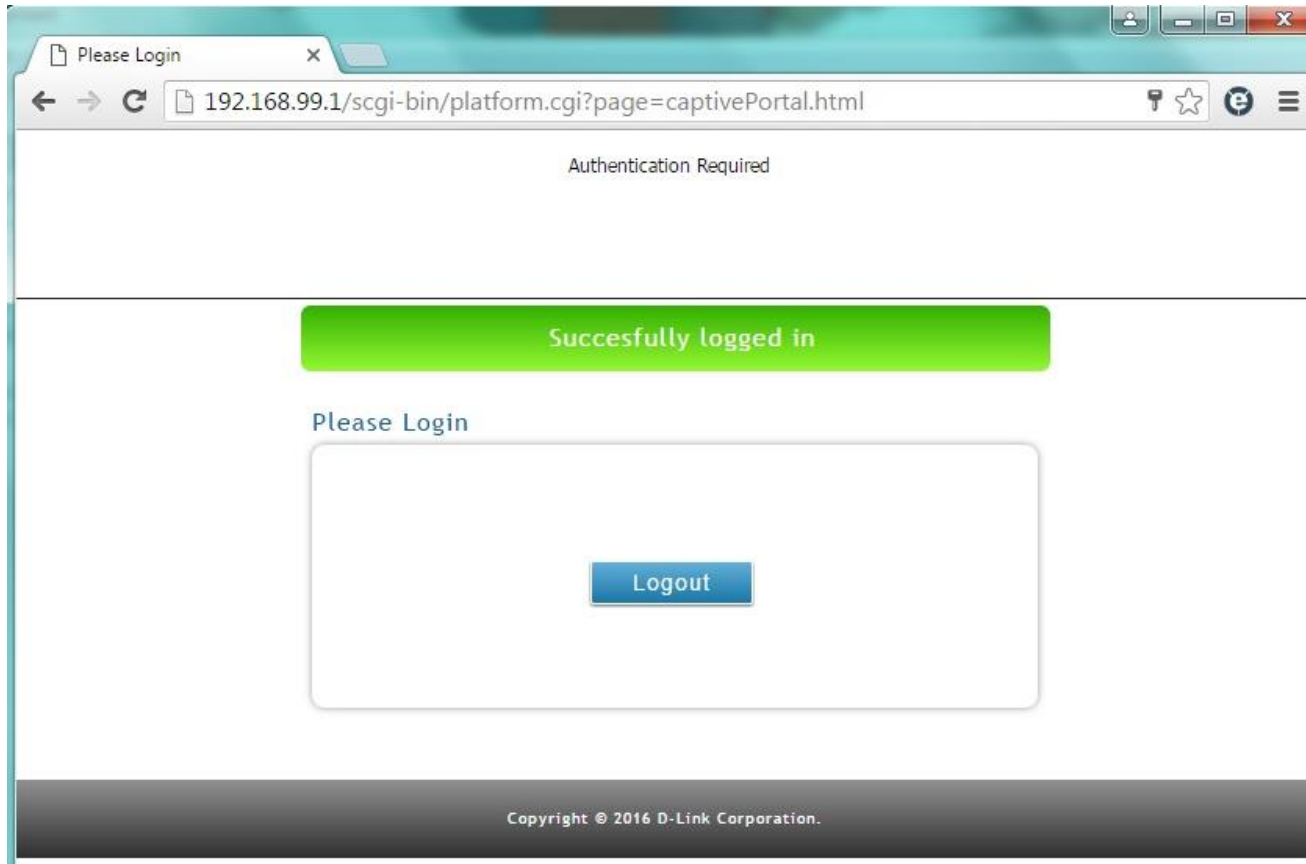
### Wireless VLANs List

Port Name	Mode	PVID	VLAN Membersh
Office	Access	1	1
Office	Access	1	1
OfficeGuest	Access	5	5
OfficeGuest	Access	5	5

After connecting to Office Guest network users will be prompted to login:



After successful authentication the user is granted access to the Internet.



Optional:

To apply bandwidth limitation to Guests:

*Network > Internet (IPv4) > Traffic Management > Bandwidth Profiles*

Enable Bandwidth Profiles.

Create a new Bandwidth Profile with required limit.

### Bandwidth Profile Configuration

Name	<input type="text" value="LimitGuestsIN"/>
Policy Type	<input type="text" value="Inbound"/>
LAN Interface	<input type="text" value="OfficeGuests"/>
Profile Type	<input type="text" value="Rate"/>
Minimum Bandwidth Rate	<input type="text" value="10"/> [Range: 1 - Max. Bandwidth] Kbps
Maximum Bandwidth Rate	<input type="text" value="300"/> [Range: 100 - 1000000] Kbps

## Bandwidth Profile Configuration

Name	<input type="text" value="LimitGuestsOUT"/>
Policy Type	<input type="text" value="Outbound"/>
WAN Interface	<input type="text" value="Dedicated WAN"/>
Profile Type	<input type="text" value="Rate"/>
Minimum Bandwidth Rate	<input type="text" value="10"/> [Range: 1 - Max. Bandwidth] Kbps
Maximum Bandwidth Rate	<input type="text" value="100"/> [Range: 100 - 1000000] Kbps

Result:

## Bandwidth Profiles

Enable Bandwidth Profiles

Save

Cancel

### Bandwidth Profiles List

Show  entries [Right click on record to get more options]

Name	Bandwidth Rate / Priority
LimitGuestsIN	10-300 Kbps.
LimitGuestsOUT	10-100 Kbps.



Network > Internet (IPv4) > Traffic Management > Traffic Shaping

Create a Traffic Shaping rule for outgoing traffic for Office Guests VLAN.

Traffic Selector Configuration	
Available Profiles	LimitGuestsOUT ▼
Service	ANY ▼
Traffic Selector Match Type	VLAN ▼
VLAN	OfficeGuests ▼

Result:

Bandwidth Profiles Traffic Shaping Bridge Bandwidth Profiles Bridge Traffic Selectors

This page shows a list of traffic selectors. Traffic selectors are service based rules to which user can attach bandwidth p

### Traffic Selectors List

Show 10 entries [Right click on record to get more options]

Service	Traffic Selector Match Type	Bandwidth Profile
ANY	VLAN	LimitGuestsOUT

Optional:

If there is a Wi-Fi Access Point with multiple SSIDs connected to the routers ports (or a VLAN-enabled switch), set the corresponding port to accept traffic from the VLANs:

### Port VLAN Configuration

Port Name: Port4

Mode:

### VLAN Membership Configuration

VLAN Membership:

Result:

Port VLANs List				
Port Name	Mode	PVID	VLAN Membership	
Port1	Access	1	1	
Port2	Access	1	1	
Port3	Access	1	1	
Port4	Trunk	1	1,5	