



## VLAN Setup Example:

### **VLAN\_data:**

Ethernet Port 1, Wireless and Wireless\_WDS are reserving for Internet

- 0/30 bridged, VID:10

### **VLAN\_Vedio**

Ethernet ports: 2

- 0/31 bridged, VID:20

### **VLAN\_VoIP:**

Ethernet Port 3

- 0/32 bridged, VID:30

### **VLAN\_MGMT**

Ethernet ports: 4

- 0/33 bridged, VID:40

## Step 1: Setup Member Ports

Go to Advanced->Configuration->LAN->Bridge Interface.

You can setup member ports for each VLAN group under Bridge Interface stion. From the example, four VLAN groups need to be created.

Ethernet: P1 (Port 1)

Ethernet1: P2 (Port 2)

Please uncheck P2,P3,P4 from Ethernet VLAN Port first.

Ethernet2: P3 (Port 3)

Ethernet3: P4 (Port 4)

**Note:** You should setup each VLAN group with caution.

Each Bridge Interface is

arranged in this order.

Bridge Interface	VLAN Port (Always starts with)
Ethernet	P1 / P2 / P3 / P4
Ethernet1	P2 / P3 / P4
Ethernet2	P3 / P4
Ethernet3	P4

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▼ Bridge Interface

Parameters

Bridge Interface	VLAN Port
ethernet ▶	<input checked="" type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3 <input type="checkbox"/> P4
ethernet1 ▶	<input type="checkbox"/> P1 <input checked="" type="checkbox"/> P2 <input type="checkbox"/> P3 <input type="checkbox"/> P4
ethernet2 ▶	<input type="checkbox"/> P1 <input type="checkbox"/> P2 <input checked="" type="checkbox"/> P3 <input type="checkbox"/> P4
ethernet3 ▶	<input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3 <input checked="" type="checkbox"/> P4

Device Management

Management Interface	
	<input checked="" type="radio"/> ethernet

## Step 2: Create WAN Interface

Go to Advanced → Configuration → WAN → WAN profile.

PVC1: 0/30 RFC 1483 bridge mode

PVC2: 0/31 RFC 1483 bridge mode

PVC3: 0/32 RFC 1483 bridge mode

PVC4: 0/33 RFC 1483 bridge mode

Edit	Name	Description	Creator	VPI	VCI	Delete
<input checked="" type="radio"/>	wanlink	RFC 1483 bridged mode	WebAdmin	0	30	
<input type="radio"/>	RFC1483B-0	RFC 1483 bridged mode	WebAdmin	0	31	<input type="radio"/>
<input type="radio"/>	RFC1483B-1	RFC 1483 bridged mode	WebAdmin	0	32	<input type="radio"/>
<input type="radio"/>	RFC1483B-2	RFC 1483 bridged mode	WebAdmin	0	33	<input type="radio"/>

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### Step 3: Setup VLAN Service

Go to Advanced→Configuration→Advanced→VLAN Bridge.

#### 1. Create a VLAN\_MGMT as below:

**Note:** Check your Ethernet cable; make sure it IS NOT inserted to Port4 for management yet! There is one more step to set up the MGMT port at port 4. Please go on to Step 1

Create VLAN	
Parameters	
VLAN Name	VLAN_MGMT VLAN ID 40 (2~4093)
Tagged Member Port(s)	<input type="checkbox"/> ethernet <input type="checkbox"/> wireless <input type="checkbox"/> wireless_wds <input type="checkbox"/> wireless_wds2 <input type="checkbox"/> wireless_wds3 <input type="checkbox"/> wireless_wds4 <input type="checkbox"/> ethernet1 <input type="checkbox"/> ethernet2 <input type="checkbox"/> ethernet3 <input type="checkbox"/> ipwan <input type="checkbox"/> RFC1483B-0 <input type="checkbox"/> RFC1483B-1 <input type="checkbox"/> RFC1483B-2
Untagged Member Port(s)	<input type="checkbox"/> ethernet <input type="checkbox"/> wireless <input type="checkbox"/> wireless_wds <input type="checkbox"/> wireless_wds2 <input type="checkbox"/> wireless_wds3 <input type="checkbox"/> wireless_wds4 <input type="checkbox"/> ethernet1 <input type="checkbox"/> ethernet2 <input checked="" type="checkbox"/> ethernet3 <input type="checkbox"/> ipwan <input type="checkbox"/> RFC1483B-0 <input type="checkbox"/> RFC1483B-1 <input checked="" type="checkbox"/> RFC1483B-2
<input type="button" value="Apply"/> <input type="button" value="Cancel"/> <input type="button" value="Return"/>	

**Note:**

You can no longer manage the device via port 1, 2 or 3.

Now, have your Ethernet cable inserted to Port 4.

Bridge Interface	
Parameters	
Bridge Interface	VLAN Port
ethernet	<input checked="" type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3 <input type="checkbox"/> P4
ethernet1	<input type="checkbox"/> P1 <input checked="" type="checkbox"/> P2 <input type="checkbox"/> P3 <input type="checkbox"/> P4
ethernet2	<input type="checkbox"/> P1 <input type="checkbox"/> P2 <input checked="" type="checkbox"/> P3 <input type="checkbox"/> P4
ethernet3	<input type="checkbox"/> P1 <input type="checkbox"/> P2 <input type="checkbox"/> P3 <input checked="" type="checkbox"/> P4
Device Management	
Management Interface	<input type="radio"/> ethernet <input checked="" type="radio"/> ethernet3
 Attention! You must connect the Ethernet cable to an appropriate port after applying the settings. Fail to connect appropriate port will cause inability to access the router.	
<input type="button" value="Apply"/>	

#### 2. Create a VLAN\_Data as below:

Create VLAN	
Parameters	
VLAN Name	VLAN_Data VLAN ID 10 (2~4093)
Tagged Member Port(s)	<input type="checkbox"/> ethernet <input type="checkbox"/> wireless <input type="checkbox"/> wireless_wds <input type="checkbox"/> wireless_wds2 <input type="checkbox"/> wireless_wds3 <input type="checkbox"/> wireless_wds4 <input type="checkbox"/> ethernet1 <input type="checkbox"/> ethernet2 <input type="checkbox"/> ethernet3 <input type="checkbox"/> ipwan <input type="checkbox"/> RFC1483B-0 <input type="checkbox"/> RFC1483B-1 <input type="checkbox"/> RFC1483B-2
Untagged Member Port(s)	<input checked="" type="checkbox"/> ethernet <input checked="" type="checkbox"/> wireless <input checked="" type="checkbox"/> wireless_wds <input checked="" type="checkbox"/> wireless_wds2 <input checked="" type="checkbox"/> wireless_wds3 <input checked="" type="checkbox"/> wireless_wds4 <input type="checkbox"/> ethernet1 <input type="checkbox"/> ethernet2 <input type="checkbox"/> ethernet3 <input checked="" type="checkbox"/> ipwan <input type="checkbox"/> RFC1483B-0 <input type="checkbox"/> RFC1483B-1 <input type="checkbox"/> RFC1483B-2
<input type="button" value="Apply"/> <input type="button" value="Cancel"/> <input type="button" value="Return"/>	

3. Create a VLAN\_Vedio as below:

Create VLAN	
Parameters	
VLAN Name	VLAN_Vedio VLAN ID 20 (2~4093)
Tagged Member Port(s)	<input type="checkbox"/> ethernet <input type="checkbox"/> wireless <input type="checkbox"/> wireless_wds <input type="checkbox"/> wireless_wds2 <input type="checkbox"/> wireless_wds3 <input type="checkbox"/> wireless_wds4 <input type="checkbox"/> ethernet1 <input type="checkbox"/> ethernet2 <input type="checkbox"/> ethernet3 <input type="checkbox"/> ipwan <input type="checkbox"/> RFC1483B-0 <input type="checkbox"/> RFC1483B-1 <input type="checkbox"/> RFC1483B-2
Untagged Member Port(s)	<input type="checkbox"/> ethernet <input type="checkbox"/> wireless <input type="checkbox"/> wireless_wds <input type="checkbox"/> wireless_wds2 <input type="checkbox"/> wireless_wds3 <input type="checkbox"/> wireless_wds4 <input checked="" type="checkbox"/> ethernet1 <input type="checkbox"/> ethernet2 <input type="checkbox"/> ethernet3 <input type="checkbox"/> ipwan <input checked="" type="checkbox"/> RFC1483B-0 <input type="checkbox"/> RFC1483B-1 <input type="checkbox"/> RFC1483B-2
<input type="button" value="Apply"/> <input type="button" value="Cancel"/> <input type="button" value="Return"/>	

4. Create a VLAN\_VoIP as below:

Create VLAN	
Parameters	
VLAN Name	VLAN_VoIP VLAN ID 30 (2~4093)
Tagged Member Port(s)	<input type="checkbox"/> ethernet <input type="checkbox"/> wireless <input type="checkbox"/> wireless_wds <input type="checkbox"/> wireless_wds2 <input type="checkbox"/> wireless_wds3 <input type="checkbox"/> wireless_wds4 <input type="checkbox"/> ethernet1 <input type="checkbox"/> ethernet2 <input type="checkbox"/> ethernet3 <input type="checkbox"/> ipwan <input type="checkbox"/> RFC1483B-0 <input type="checkbox"/> RFC1483B-1 <input type="checkbox"/> RFC1483B-2
Untagged Member Port(s)	<input type="checkbox"/> ethernet <input type="checkbox"/> wireless <input type="checkbox"/> wireless_wds <input type="checkbox"/> wireless_wds2 <input type="checkbox"/> wireless_wds3 <input type="checkbox"/> wireless_wds4 <input type="checkbox"/> ethernet1 <input checked="" type="checkbox"/> ethernet2 <input type="checkbox"/> ethernet3 <input type="checkbox"/> ipwan <input type="checkbox"/> RFC1483B-0 <input checked="" type="checkbox"/> RFC1483B-1 <input type="checkbox"/> RFC1483B-2
<input type="button" value="Apply"/> <input type="button" value="Cancel"/> <input type="button" value="Return"/>	

