Настройка управляемого коммутатора D-Link DIR-100

Доступ к управлению устройством осуществляется по адресу 192.168.0.1 через его Web-интерфейс. Для доступа необходимо чтобы IP адрес сетевого адаптера компьютера имел IP адрес из той же подсети что и коммутатор, например, 192.168.0.2 (отличается последней цифрой, которая может быть от 2 до 254). Для входа на коммутатор используем «Пользователь» - admin (регистр важен), «Пароль» - оставляем пустым.

192.168.0.1/bsc_dev_manage.htm				
	Product Page : DIR-100	Hardware Versio	: D1 Firmware Version : v4.00SW	
	DJink			
	LOGIN		_	
	Login to the switch			
		User Name: admin Password: Logn		
	WIRED			
		Copyright © 2009-2012 D-Link Systems, Inc.		

Переходим в закладку «ADVANCED»-> «VLAN GROUP SETTINGS»

В секции «VLAN LIST» мы видим, что в данный момент наш свитч работает как обычный неуправляемый. Все порты равнозначны, не выставлены приоритеты и нет тэгов на портах.

Удаляем текущую конфигурацию

\.T int					
R-100	SETUP	ADVANCED	TOOLS	STATUS	HELP
N GROUP SETTINGS	VLAN GROUP SETT A VLAN is a switched ne without regarding the p You can configure whic device in VLAN will only (Save Settings) Don't ! VLAN SETTINGS	Helpful Hints. • Up to eight VLAN groumay be created and enabled. To enable a VLAN group, click to check the box um Enable for the indexed VLAN group. Up to eight VLAN groups can be created and enabled. Assign a unique VLAN identifier or VID for each VLAN created and configured tagging for be of the 5 ports. Select the tagged option 1 enable tagging for the po Ports with Logging enable will put the VID number, priority and other VLAN information into the head of all packets that flow in and out of ft; other 802.1 compliant decisions can then use the VLAN information in the tagging for the po proving and decisions can then use the VLAN information in the tagging for the polytic performation glecisions can the new the VLAN information in the tagging the port will the packet has previously been tagged, the port will			
	VLAN LIST	Name VID	Interface 802.	1n Edit Delete	not alert the packet, thus keeping the VLAN information intact.
	BRIDGE	default 1	Port1 U Port2 U Port3 U N/4 Port4 U Port5 U		Select untag to include th port in the VLAN group without enabling tagging.
	Save Settings Don't S	ave Settings			

Jardware Version · D1 Firmware Version ·

duct Page : DIR-10

Устанавливаем управляющий VLAN на Порт 5 в «Untag», Порт 4 в «Untag», нажимаем «Add» и «Save Settings». После данной операции <u>DIR-100</u> будет доступен с 4-го порта либо с 5-го

D-Link	<u> </u>						
DIR-100	SETUP	ADVANCED	TOOLS		51	TATUS	HELP
VLAN GROUP SETTINGS	VLAN GROUP SET	Helpful Hints.					
DIR-100 VLAN GROUP SETTINGS EANDWIDTH SETTINGS MULTICAST GROUP SETTINGS ADVANCED NETWORK	SETUP VLAN GROUP SETT A VLAN is a switched n without regarding the p You can configure whic device in VLAN will only Save Settings Don't VLAN SETTINGS VLAN SETTINGS VLAN SETTINGS VLAN SETTINGS Save Settings Don't S	ADVANCED INGS Etwork that is logically seg hysical locations of the us h hardware ports will be a 'be forwarded to other de Save Settings Enable : Name : default VID : Save Settings Name VID default 1 ave Settings	TOOLS mented by function, ers. ssigned to a VLAN, a vices in the same VL	project tea and all pack AN. g << b 802.1p 0	Fort 1 . Port 2 . Port 3 . Port 3 . Port 4 . Port 5 . Edit	untag Untag Delete	HELP Helpful Hints. • Up to eight VLAN groups may be created and enabled. To enable a VLAN group, click to check the box under Enable for the indexed VLAN group, Lick to check the box under Enable for the indexed VLAN group, Lick to check the box under Enable for the indexed VLAN group, Lick to check the box under enabled. Assign a unique VLAN identifier or VD for each VLAN created and configured tagging for the port. Ports with tagging enabled will put the VLD number, profity and other VLAN information into the header of all packets that flow into and out of it, of the packet, forwarding decisions can then use the VLAN information in the tag. If a packet has previously been tagged, the port will not all the packet, tuNa keeping the VLAN information intext. Select untag to include the port in the VLAN group without enabling tagging.

Product Page : DTR-100

Hardware Version : D1 Firmware Version : v4.005

Добавляем VLAN для интернет, с номером 80.

Порт 5 в «Tag», Порт 1 в «Untag», нажимаем «Add»

D-Link								
DIR-100	SETUP	ADVANCED)	TOOLS		51	TATUS	HELP
DIR-100 VLAN GROUP SETTINGS BANDWIDTH SETTINGS MULTICAST GROUP SETTINGS ADVANCED NETWORK	VLAN GROUP SETT A VLAN is a switched n without regarding the p You can configure whit device in VLAN will only (Save Settings) Don't VLAN SETTINGS	Helpful Hints. • Up to eight VLAN groups may be created and enabled. To enable a VLAN group, the created and enabled. To enable a VLAN groups the check the box the con- vLAN group. Up to eight VLAN groups can be created and enabled. Assign a unique VLAN identifier or VID for each VLAN created and configured tagging for each of the 5 ports. Select the tagged option to enable tagging for the port. Select the tagged option to enable tagging for the port. Select the tagged option to enable tagging for the port. Select the tagged option to enable tagging for the port. Forts with tagging enabled will put the VID number, priority and other VLAN information into the header of all packets that flow into and out of it; other 802.1P compliant devices on the network make packet. forwarding decisions can then use the VLAN information in the tag.						
	VLAN LIST							not alert the packet, thus keeping the VLAN
	Enable Role	Name	VID	Interface	802.1p	Edit	Delete	information intact. Select untag to include the
	BRIDGE	default	1	Port4 U Port5 U	0	Z		port in the VLAN group without enabling tagging.
	Save Settings Don't S	ave Settings)						

Hardware Version : D1 Firmware Version : v4.00SW

Product Page : DIR-100

Добавляем VLAN для тв, с номером 110.

Порт 5 в «Тад», Порт 2 в «Untag», нажимаем «Add»

Product Page : DIR-100 Hardware Version : D1 Firmware Version : v4.00SW										
D.I ink	0									
L-LIIIK										
DIR-100	SETU	P	ADVAN	ICED	то	DL5		51	TATUS	HELP
DIR-100 ///	VLAN GRO A VLAN is a without rega You can con device in VL Save Setting VLAN SET	inted by fur s. iigned to a V ces in the sa	LAN, a me VL Untag	project te and all pac AN.	Helpful Hints. • Up to eight VLAN groups may be created and enabled. To enable a VLAN group, click to theck the box under Enable for the indexed VLAN group. Up to eight VLAN groups can be created and enabled. Assign a unique VLAN identifier or VID for each VLAN group. Select the tagged option to enable tagging for the port. Select the tagged option to enable tagging for the port. Select the tagged option to enable tagging for the port. Ports with tagging enabled will put the VID number, priority and other VLAN information into the header of all packets that flow into compliant devices on the network make packet- forwarding decisions can then use the VLAN information in the tag. If a packet has previously been tagged, the port will not alert the packet, thus					
	Enable	Role	Name	VID	Interfac	e	802.1p	Edit	Delete	keeping the VLAN information intact. Select untag to include the
		BRIDGE	default	1	Port4 Port5	UUU	0	Ø		port in the VLAN group without enabling tagging.
		BRIDGE	internet	80	Port1 Port5	U T	0	Z		
	Save Setting	s Don't S	ave Settings							

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Добавляем VLAN для ір-телефонии, с номером 312.

Порт 5 в «Tag», Порт 3 в «Untag», нажимаем «Add»

Product Page : DIR-100							Har	dware V	ersion:D1	Firmware Version : v4.00SW
D-Link	2									\prec
DIR-100	SETU	P	ADVAN	ICED	то	OLS		5	TATUS	HELP
VLAN GROUP SETTINGS	VLAN GRO	OUP SETT	INGS							Helpful Hints.
BANDWIDTH SETTINGS MULTICAST GROUP	A VLAN is a without rega	switched ne Irding the ph	twork that is I hysical location	ogically segm ns of the user	ented by fur s.	nction,	project te	am, or a	application,	 Up to eight VLAN groups may be created and enabled. To enable a VLAN group,
SETTINGS	You can con device in VL	figure which AN will only	hardware po be forwarded	rts will be ass to other devi	igned to a V ces in the sa	LAN, a me Vl	and all pac LAN.	kets from	m a network	click to check the box under Enable for the indexed
ADVANCED NETWORK	Save Setting	gs Don't S	ave Settings							VLAN group. Up to eight VLAN groups can be created and enabled.
	VLAN SET	TINGS								Assign a unique VLAN identifier or VID for each
			Enable :							VLAN created and configured tagging for each
			VID : 31	.2						Select the tagged option to enable tagging for the port.
			802.1p : 0 Interface :		Tag	Unto	a <<	Port 1	🔺 tag 💌	Ports with tagging enabled will put the VID number,
				Port 3	iay/	J	y 🔜	Port 2 Port 3		priority and other VLAN information into the header
				Port 5		г		Port 4 Port 5	÷.	and out of it; other 802.1P
				Clear						network make packet- forwarding decisions can
			F	Reset Add						then use the VLAN information in the tag.
	VIANITS	т								been tagged, the port will not alert the packet, thus
	Enable	Role	Name	VID	Interfa	ce	802.1p	Edit	Delete	keeping the VLAN information intact.
		BRIDGE	default	1	Port4 Port5	UUU	0			Select untag to include the port in the VLAN group without enabling tagging.
		BRIDGE	internet	80	Port1 Port5	U T	0	Z		
		BRIDGE	TV	110	Port2 Port5	U T	0			

Save Settings Don't Save Settings

нажимаем «Save Settings»

D-Link	2												
DIR-100	SETU	Р	ADVANO	ED	то	0L5		51	TATUS	HELP			
VLAN GROUP SETTINGS	VLAN GRO	VLAN GROUP SETTINGS											
BANDWIDTH SETTINGS	A VLAN is a without rega	 Up to eight VLAN groups may be created and enabled. 											
MULTICAST GROUP SETTINGS	You can con	You can configure which hardware ports will be assigned to a VLAN, and all packets from a network											
ADVANCED NETWORK				o other dev	ices in the se	ine vi	LAIN.			VLAN group.			
	Save Settin	gs Dont:	ave Settings							can be created and enabled.			
	VLAN SET	TINGS								Assign a unique VLAN identifier or VID for each			
			Enable : 🔽							VLAN created and configured tagging for each			
			VID :							of the 5 ports. Select the tagged option to			
			802.1p:0	-				2.14		Ports with tagging ror the port.			
Reset Add										priority and other VLAN information into the heade of all packets that flow into and out of it; other 802.1P compliant devices on the network make packet- forwarding decisions can then use the VLAN information in the tag. If a packet has previously			
	VLAN LIS	т								not alert the packet, thus keeping the VLAN			
	Enable	Role	Name	VID	Interfa	ce	802.1p	Edit	Delete	information intact. Select untag to include the			
		BRIDGE	default	1	Port4 Port5	UU	0	Z		port in the VLAN group without enabling tagging.			
		BRIDGE	internet	80	Port1 Port5	U T	0	Z					
		BRIDGE	τv	110	Port2 Port5	U T	0	Z					
		BRIDGE	voip	312	Port3 Port5	U T	0	Z					
	Save Setting	s Don't S	ave Settings										

Product Page : DIR-100

Hardware Version : D1 Firmware Version : v4.00SW