Queue Config

To add or remove a QoS queue, click on the corresponding Add or Remove button. Click on Save / Reboot after removing a selection.

PARADYNE®	
Welcome Device Info Quick Setup Quick Setup Advanced Setup WAN LAN NAT Cuality of Service Queue Config Qos Queue Configuration A maximum 16 entries can Interfacename Precedence Queue Key Enable Remove Save/Reboot	an be configured. Remove

The QoS queue configured here will apply to incoming IP packets. Items that need to be configured include the following—

- Queue configuration status— select disable or enable
- *Queue* select Null or leave blank
- Queue precedence— select integers 1, 2, or 3

PARADYN	E
ADSL CI	
Weicome Cuick Setup Cuick Set	QoS Queue Configuration The screen allows you to configure a QoS queue entry and assign it to a specific network interface. Each interface with QoS enabled will be allocated three queues by default. Each of the queues can be configured for a specific precedence. The queue entry configured here will be used by the classifier to place ingress packets appropriately. Note: Lower integer values for precedence imply higher priority for this queue relative to others Click 'Save/Apply' to save and activate the filter. Queue Configuration Status:
Oos Classification Oos Classificatio	Queue:
	Save/Apply

QoS Classification

You can configure the Quality of Service to apply different priorities to traffic on the router. Click on Add to view the *Add Network Traffic Class Rule* screen.

PARADYN Adsl Gi	E																
Welcome Dovice Info Cuick Setup Advanced Setup WAN	Qualit	y of Se E Add o	ervice S x Remov	etup re to cont	figure	network tra	affic d	asses.	PARTIC	ACCULCATE							
IAN NAT Firewall Guality of Service	Class Name	DSCP Mark	Queue	802.1P Mark	Lan Port	Protocol	DSCP	Source Addr./Mask	Source	Dest. Addr./Mask	Dest. Port	Source MAC Addr./Mask	Destination MAC Addr./Mask	802.1P	Order	Enable/Disable	Remove
OoS Classification OoS Classificatio							Add	Save/Apply									

The following screen allows you to add a network traffic class rule.

PARADYN	E
ADSL CP	
Welcome Device Info Quick Setup Advanced Setup Advanced Setup Outing O	Add lletwork Traffic Class Rule Add lletwork Traffic Class Rule to classify the upstream traffic, assign queue which defines the precedence and the interface and optionally overvrite the IP header DSCP byte. A rule consists of a class name and at least one condition below. All of the specified conditions in this classification rule must be satisfied for the rule to take effect. Click 'Swe/Apply' to save and activate the rule. Traffic Class Name:
	Destination MAC Mask:
	SET-2 802.1p Priority:
	Save/Apply

Routing

Default Gateway

You can enable automatic assigned default gateway on the Routing – Default Gateway screen. As default, the box is checked for automatic assigned default gateway to be enabled. Click the **Save / Apply** button to enable or disable this feature.

PARADYN	
ADSL C	
Welcome Device Info Quick Setup Advanced Setup LAN LAN LAN Cuality of Service Cuality of	Routing Default Gateway If Enable Automatic Assigned Default Gateway checkbox is selected, this router will accept the first received default gateway assignment from one of the PPPoA, PPPoE or MER/DHCP enabled PVC(s). If the checkbox is not selected, enter the static default gateway AND/OR a WAN interface. Click 'Save/Apply' button to save it. NOTE: If changing the Automatic Assigned Default Gateway from unselected to selected, You must reboot the router to get the automatic assigned Default Gateway. For Enable Automatic Assigned Default Gateway
	Save/Apply

If automatic assigned default gateway is not selected, then enter the preferred default gateway IP address or select the interface.

PARADYN	
ADSL C	PE
Uvelcome	Routing Default Gateway
Quick Setup Advanced Setup Comparison Official Advanced Offi	If Enable Automatic Assigned Default Gateway checkbox is selected, this router will accept the first received default gateway assignment from one of the PPPoA, PPPoE or MER/DHCP enabled PVC(s). If the checkbox is not selected, enter the static default gateway AND/OR a WAN interface. Click 'Save/Apply' button to save it.
	NOTE: If changing the Automatic Assigned Default Gateway from unselected to selected, You must reboot the router to get the automatic assigned default gateway.
Default Gateway Static Route AIP	Enable Automatic Assigned Default Gateway
ADSL Port Mapping	C Use Default Gateway IP Address
 ● Wireless ● Diagnostics ● ▲ Management 	C Use Interface
	Save/Apply

Static Route

Use the Routing - Static Route screen to add a static route to the routing table.

PARADYNE	- [®]					
Welcome Device Info Quick Setup Advanced Setup Advanced Setup WAN LAN Quality of Service Routing Default Gateway Static Route RIP Dof ADSL Port Mapping Wireless Diagnostics Management	Routing Static Rout	te (A maximum Destination	32 entries car Subnet Mask Add	n be config Gateway Remove	ured) Interface	Remove

Enter the route information and click on Save/Apply. No reboot is required.

PARADYN	
ADSL CI	
Uvelcome	Routing Static Route Add
Quick Setup C Advanced Setup C WAN C LAN C LAN	Enter the destination network address, subnet mask, gateway AND/OR available WAN interface then click "Save/Apply" to add the entry to the routing table.
Green Firewall Guality of Service Government for the service Government for the service Government for the service for th	Destination Network Address: Subnet Mask:
Static Route	C Use Gateway IP Address
Horizon DNS ADSL Port Mapping Diagnostics Anagement	C Use Interface LAN/br0 Save/Apply

RIP

If RIP is enabled, the router operation can be configured as active or passive.



DNS Server

Use the DNS Server screen to request automatic assignment of a DNS or to specify a primary and secondary DNS.

	DNS Server Configuration If 'Enable Automatic Assigned DNS' checkbox is selected, this router will accept the first received DNS assignment from one of the PPPoA, PPPoE or MER/DHCP enabled PVC(s) during the connection establishment. If the checkbox is not selected, enter the primary and optional secondary DNS server IP addresses. Click 'Save' button to save the new configuration. You must reboot the router to make the new configuration effective. The content of the provided DNS
Original Contents	Save

If the automatic assigned DNS checkbox is not selected, then enter the primary and secondary DNS Server IP addresses as illustrated below.

PARADYN	
ADSL G	
Welcome	DNS Server Configuration
Device Setup Advanced Setup LAN NAT Firewall	If 'Enable Automatic Assigned DNS' checkbox is selected, this router will accept the first received DNS assignment from one of the PPPoA, PPPoE or MER/DHCP enabled PVC(s) during the connection establishment. If the checkbox is not selected, enter the primary and optional secondary DNS server IP addresses. Click 'Save' button to save the new configuration. You must reboot the router to make the new configuration effective.
Quality of Service Counting C	Enable Automatic Assigned DNS
	Primary DNS server:
Port Mapping	Secondary DNS server:
🗄 🛅 Management	Save

Dynamic DNS

Dynamic DNS (D-DNS) allows you to have your own permanent domain name linked to your dynamic IP address. To configure a dynamic DNS, click on Add. If you have already created a dynamic DNS that you want to delete, click on Remove.

PARADYNE	- @ - -								
Welcome Outick Setup Outicg Ou	Dynamic DNS The Dynamic DNS service allor allowing your DSL router to be Choose Add or Remove to con	ws you to alia more easily figure Dynan Hostname	as a dynamic accessed fro nic DNS. Username Add	IP address m various Service Remove	s to a static locations on Interface	hostname in the Interne Remove	h any of the	e many dom	ains,

The below screen allows you to set up the Dynamic DNS provider. Note that you will have to first register at the Dynamic DNS site that you wish to use. Select from either <u>DynDNS.org</u> or <u>TZO</u>. Then enter the hostname and the interface that you want to establish the D-DNS address to. Enter the username / password for the D-DNS account that you have signed up for and then click on Save / Apply.

PARADYN		
ADOL O		
Uelcome	Add dynamic DNS	
Quick Setup dvanced Setup	This page allows you to	add a Dynamic DNS address.
	D-DNS provider	DynDNS.org
Hirewall Guality of Service Control Contro Control Control Control Control Control Co	Hostname	
DNS Server	DynDNS Settings	
Port Mapping	Username	
 Bignostics Bignostics Bignostics 	Password	Save/Apply

ADSL

There are three major items in the ADSL settings:

Modulation Methods

Six modulation methods for different linking speed are supported by the 6211 ADSL router: G.Dmt Enabled, G.lite Enabled, T1.413 Enabled, ADSL Enabled, Annex L Enabled, and ADSL2+ Enabled. Set this value only as directed by your ISP.

Capability

Do not change these settings unless directed by your ISP.

PARADYNE®	
ADSL CPE	
Use Come D	SL Settings
Quick Setup	lect the modulation below.
Advanced Setup	🔽 G.Dmt Enabled
	G.lite Enabled
	🔽 T1.413 Enabled
	ADSL2 Enabled
	AnnexL Enabled
□ Port Mapping □ □ Wireless	ADSL2+ Enabled
☐ Diagnostics ⊞- ͡ Management	AnnexM Enabled
с	pability
	☑ Bitswap Enable
	✓ SRA Enable
	Saus/Analy Advand Cathing
	Save/Apply Advanced Settings

DSL Advanced Settings

The test mode can be selected from the DSL Advanced Settings page. Test modes are as follows—

- Normal
- Reverb
- Medley
- No retrain
- L3

PARADYN Adsl c	NE° Pe	
₩elcome	DSL Advanced Settings	
Quick Setup Advanced Setup	Select the test mode below.	
B-C NAT B-C Firewall	C Reverb	
Calley of service	C Medley C No retrain	
ADSL ADSL Port Mapping Diagnostics	C L3	
■ Diagnosucs ■ ☐ Management		Apply Tone Selection

Tone Settings

The frequency band of ADSL is split up into 256 separate tones, each spaced 4.3125 kHz apart. With each tone carrying separate data, the technique operates as if 256 separate modems were running in parallel. The tone range is from 0 to 31 for upstream and from 32 to 255 for downstream. Do not change these settings unless instructed by your ISP.

E	Attp://192.168.1.1/adslcfgtone.html - Windows Internet Explorer								_																							
	ADSI Tone Settings																															
																			Ĩ													
	_		_		_		_		_		_		_	U	pst	rea	m]	Tone	es 		_		_		_		_		_		_	
	2	0	M	1	M	2	M	3	M	4	M	5	<u></u>	6	M	7	<u> </u>	8	<u></u>	9	M	10	<u></u>	11	M	12	M	13	M	14	<u> </u>	15
		16	V	17	V	18	V	19		20	V	21		22	V	23	•	24	V	25	V	26	•	27	•	28	V	29		30		31
	_		_		_		_		_		_		_	Dov	wn:	stre	an	1 To	nes	5	_		_		_		_		_		_	
		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47
	2	48	M	49	M	50	M	51		52	M	53	<u> </u>	54	M	55	2	56	2	57	M	58	2	59	<u> </u>	60	<u> </u>	61	<u> </u>	62	<u> </u>	63
		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79
		80	V	81	•	82	V	83		84		85		86	•	87	☑	88		89		90		91		92		93		94		95
		96	☑	97	☑	98	V	99	V	100		101		102	☑	103		104		105		106		107	V	108	V	109	V	110	•	111
	•	112	☑	113	☑	114		115	☑	116	V	117	\checkmark	118	☑	119	☑	120	☑	121	☑	122	☑	123	☑	124	V	125	☑	126	•	127
		128	☑	129	☑	130	V	131	☑	132	V	133		134	V	135	~	136		137		138		139	☑	140	V	141	☑	142	•	143
	•	144		145	☑	146	V	147		148		149	☑	150	☑	151	☑	152	☑	153		154		155		156	☑	157	☑	158		159
	•	160	V	161	☑	162	V	163	V	164	V	165	V	166	☑	167	☑	168	☑	169	V	170	☑	171	☑	172	V	173		174	V	175
	•	176	V	177	☑	178	V	179	☑	180	V	181	☑	182	☑	183	☑	184	☑	185	V	186	☑	187	\checkmark	188	V	189		190	V	191
	~	192	V	193	☑	194	V	195	\checkmark	196	☑	197	☑	198	☑	199	☑	200	☑	201	☑	202	☑	203	☑	204	V	205	<	206	•	207
	•	208	V	209	☑	210	V	211	V	212	V	213	☑	214	V	215	☑	216	V	217	V	218	V	219	•	220	V	221	•	222	\checkmark	223
	•	224	\checkmark	225	☑	226	\checkmark	227	\checkmark	228	\checkmark	229	☑	230	☑	231	☑	232	✓	233	\checkmark	234	☑	235	☑	236	☑	237	\checkmark	238	☑	239
	•	240	☑	241	☑	242	V	243	☑	244	V	245	•	246	☑	247	•	248	•	249	•	250	•	251	☑	252	☑	253	•	254	\checkmark	255
											С	heck	(Al		С	lear	All	1	٩р	ly	C	ose										

Port Mapping

Port mapping is a feature that allows you to open ports to allow certain Internet applications on the WAN side to pass through the firewall and enter your LAN. To use this feature, mapping groups should be created.

Click on the Add button as displayed below. If you need to edit an entry, then click on the Edit button.

PARADYNE	® -									
AUSL CPE			_	_	_					
Welcome	Port Mapping	A maximum 1	6 entries (can b	e configured					
Advanced Setup	Port Mapping supports multiple ports to PVC and bridging groups. Each group will perform as an independent network. To support this feature, you must create mapping groups with appropriate LAN and WAN interfaces using the Add button. The Remove button will remove the grouping and add the ungrouped interfaces to the Default group. Only the default group has IP interface.									
E - Firewall	Carebia viat		(1-4)							
MAC Filtering	Enable vin	tual ports on LAN	L(1-4)							
Quality of Service	10 00					[
Routing DNS	Group Name	Enable/Disable	Remove	Edit	Interfaces	Enable/Disable				
ADSL					LAN1(1-4)	V				
	Default				Wireless					
Diagnostics Management	Derduit				Wireless_Guest	V				
					nas_0_35	2				
	Add Save/	Apply								

After clicking the **Add** button, the below configuration screen appears, allowing you enter the groups and the interfaces they are associated with.

ADSL C	PE
Welcome	Port Manning Configuration
Device Info	For mapping configuration
Quick Setup	To create a new mapping group:
Advanced Setup	1. Enter the Group name and select interfaces from the available interface list and add it to the grouped interface list
- LAN	using the arrow buttons to create the required mapping of the ports. The group name must be unique.
	2. If you like to automatically add LAN clients to a PVC in the new group add the DHCP vendor ID string. By configuring
Differing	a DHCP vendor ID string any DHCP client request with the specified vendor ID (DHCP option 60) will be denied an IP
MAC Filtering	address from the local DHCP server.
Quality of Service	Note that these clients may obtain public IP addresses
E C Routing	3. Click Save/Apply button to make the changes effective immediately
Port Mapping	Note that the selected interfaces will be removed from their existing groups and added to the new
Wireless	group.
Management	IMPORTANT If a vendor ID is configured for a specific client device, please REBOOT the client device
	attached to the modem to allow it to obtain an appropriate IP address.
	Group Name:
	Grouned Interfaces Available Interfaces
	indiped antendees
	LAN4
	LAN3
	-> nas 0 35
	Wireless
	Wireless_Gues
	Automatically Add
	Clients With the
	TO IOWING DACP VENDOR
	Save/Apply

Wireless

This section allows you to configure wireless settings on your router.

Basic

The below Wireless—Basic screen lets you enable or disable wireless. The default setting for wireless is enabled. You can also hide the access point so others cannot see your ID on the network.

PARADYN	
ADSL C	FE
Welcome Ouick Setup Advanced Setup Security MAC Filter Wireless Bridge Quality of Service Station Info Diagnostics Management	Wireless Basic This page allows you to configure basic features of the wireless LAN interface. You can enable or disable the wireless LAN interface, hide the network from active scans, set the wireless network name (also known as SSID) and restrict the channel set based on country requirements. Click "Apply" to configure the basic wireless options. Image: Chable Wireless Image: Hide Access Point SSID: 22:E0:18:00:00:01 Country: Image: Nutreless Guest Network Guest SSID: Guest SSID: Guest SSID: Save/Apply

Security

The next screen is the Wireless - Security screen which allows you to select the network authentication method and to enable or disable WEP encryption. Note that depending on the network authentication that is selected, the screen will change accordingly so additional fields can be configured for the specific authentication method.

Network authentication methods include the following-

- **Open**—anyone can access the network. The default is a disabled WEP encryption setting.
- Shared—WEP encryption is enabled and encryption key strength of 64-bit or 128-bit needs to be selected. Click on Set Encryption Keys to manually set the network encryption keys. Up to 4 different keys can be set and you can come back to select which one to use at anytime.

- 802.1X—requires mutual authentication between a client station and the router by including a RADIUS-based authentication server. Information about the RADIUS server such as its IP address, port and key must be entered. WEP encryption is also enabled and the encryption strength must also be selected.
- WPA—(Wi-Fi Protected Access)— usually used for the larger Enterprise environment, it uses a RADIUS server and TKIP (Temporal Key Integrity Protocol) encryption (instead of WEP encryption which is disabled). TKIP uses128-bit dynamic session keys (per user, per session, and per packet keys).
- WPA-PSK (Wi-Fi Protected Access Pre-Shared Key)—WPA for home and SOHO environments also using the same strong TKIP encryption, per-packet key construction, and key management that WPA provides in the enterprise environment. The main difference is that the password is entered manually. A group re-key interval time is also required.
- WPA2 (Wi-Fi Protected Access 2)—second generation of WPA which uses AES (Advanced Encryption Standard) instead of TKIP as its encryption method. Network re-auth interval is the time in which another key needs to be dynamically issued.
- WPA2-PSK (Wi-Fi Protected Access 2 Pre-Shared Key)—suitable for home and SOHO environments, it also uses AES encryption and requires you to enter a password and an re-key interval time.
- Mixed WPA2 / WPA—during transitional times for upgrades in the enterprise environment, this mixed authentication method allows "upgraded" and users not yet "upgraded" to access the network via the router. RADIUS server information must be entered for WPA and a as well as a group re-key interval time. Both TKIP and AES are used.
- Mixed WPA2 / WPA-PSK—useful during transitional times for upgrades in the home or SOHO environment, a pre-shared key must be entered along with the group re-key interval time. Both TKIP and AES are also used.

PARADYN									
ADSL C	re .								
Welcome Device Info Quick Setup	Wireless Security	figure security features of the wireless LAN interface. You can sets the network							
 Advanced Setup → → Wireless → → Basic → → Security 	authentication method, sele wireless network and speci Click "Apply" to configure th	authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click "Apply" to configure the wireless security options.							
Advanced Quality of Service	Select SSID:	Wireless -							
☐ Station Info ☐ Diagnostics ⓓ Ѽ Management	WEP Encryption:	Disabled -							
		Save/Apply							
MAC Filter									

The MAC filter screen allows you to manage MAC address filters. Add the MAC addresses that you want to manage and then select the mode that you want to use to manage them. You can disable this feature or you can allow or deny access to the MAC addresses that you add to the list.

PARADYN	 	
Welcome Advanced Setup Advanced Setup Advanced Setup Mac Filter Advanced Advanced Advanced Duality of Service Station Info Management	Wireless MAC Filter	MAC Restrict Mode: © Disabled © Allow © Deny MAC Address Remove Add

The following screen appears when you want to add a MAC address to the filter. When completed, click on the **Save / Apply** button.

PARADYN	E°
Adsl gi	PE
Welcome Device Info Quick Setup Advanced Setup Security MAC Filter Wireless Bridge Advanced Quality of Service Station Info Diagnostics Management	Wireless MAC Filter Enter the MAC address and click "Apply" to add the MAC address to the wireless MAC address filters. MAC Address: Save/Apply

Wireless Bridge

In this next screen, you can select which mode you want the router to be in, either access point or wireless bridge.

PARADYN	NE [®]	
ADSL C	PE	
🖳 Welcome	Wireless Bridge	
Device Info Quick Setup Quick Setup Advanced Setup Basic Basic Basic Basic Basic Gecurity MAC Filter Wireless Bridge Advanced Quality of Service Station Info Dagnostics	This page allows you to co Bridge (also known as Wirr access point functionality. 1 associate to the AP. Select will be granted access. Sel selected in Remote Bridges Click "Refresh" to update ti Click "Save/Apply" to config	Ifigure wireless bridge features of the wireless LAN interface. You can select Wireless iless Distribution System) to disables access point functionality. Selecting Access Point enables Wireless bridge functionality will still be available and wireless stations will be able to Disabled in Bridge Restrict which disables wireless bridge restriction. Any wireless bridge ecting Enabled or Enabled(Scan) enables wireless bridge restriction. Only those bridges will be granted access. e remote bridges. Wait for few seconds to update. gure the wireless bridge options.
🗄 🛄 Management	AP Mode:	Access Point
	Bridge Restrict:	Disabled
		Refresh Save/Apply

Advanced

Advanced features of the wireless LAN interface can be configured in this section.

Settings can be configured for the following-

- AP Isolation—if you select enable, then each of your wireless clients will not be able to communicate with each other.
- Band—a default setting at 2.4GHz 802.11g

- **Channel**-- 802.11b and 802.11g use channels to limit interference from other devices. If you are experiencing interference with another 2.4Ghz device such as a baby monitor, security alarm, or cordless phone, then change the channel on your router.
- Multicast Rate—the rate at which a message is sent to a specified group of recipients.
- **Basic Rate**—the set of data transfer rates that all the stations will be capable of using to receive frames from a wireless medium.
- Fragmentation Threshold—used to fragment packets which help improve performance in the presence of radio frequency (RF) interference.
- **RTS Threshold (Request to Send Threshold)**—determines the packet size of a transmission through the use of the router to help control traffic flow.
- **DTIM Interval**—sets the Wake-up interval for clients in power-saving mode.
- Beacon Interval—a packet of information that is sent from a connected device to all other devices where it announces its availability and readiness. A beacon interval is a period of time (sent with the beacon) before sending the beacon again. The beacon interval may be adjusted in milliseconds (ms).
- Xpress Technology—a technology that utilizes standards based on framebursting to achieve higher throughput. With Xpress Technology enabled, aggregate throughput (the sum of the individual throughput speeds of each client on the network) can improve by up to 25% in 802.11g only networks and up to 75% in mixed networks comprised of 802.11g and 802.11b equipment.
- 54g Mode— 54g is a Broadcom Wi-Fi technology.
- 54g Protection--the 802.11g standards provide a protection method so 802.11g and 802.11b devices can co-exist in the same network without "speaking" at the same time. Do not disable 54g Protection if there is a possibility that a 802.11b device may need to use your wireless network. In Auto Mode, the wireless device will use RTS/CTS (Request to Send / Clear to Send) to improve 802.11g performance in mixed 802.11g/802.11b networks. Turn protection off to maximize 802.11g throughput under most conditions.
- WMM (Wi-Fi Multimedia)—feature that improves the your experience for audio, video and voice applications over a Wi-Fi network.

PARADYN	E			
ADSL CP	E		_	
Uvelcome Device Info Advanced Setup Advanced Setup Basic Basic Mireless Wireless Wireless Bridge	Wireless Advanced This page allows you to config on which to operate, force the threshold, set the wakeup inte XPress mode and set whether Click "Apply" to configure the a	gure advanced feat e transmission rate erval for clients in p r short or long prea advanced wireless	ures of the wirele to a particular sp ower-save mode mbles are used. options.	ess LAN interface. You can select a particular channel peed, set the fragmentation threshold, set the RTS , set the beacon interval for the access point, set
Quality of Service	AP Isolation:	Off		
Diagnostics	Channel:			Current: 11
🗄 🛅 Management	Auto Channel Timer(min)			content 11
	54g™ Rate:	Auto 👻		
	Multicast Rate:	54 Mbps 👻		
	Basic Rate:	Default		•
	Fragmentation Threshold:	2346		
	RTS Threshold:	2347		
	DTIM Interval:	1		
	Beacon Interval:	100		
	Maximum Associated Clients:	128		
	XPress™ Technology:	Disabled -		
	54g™ Mode:	54g Performanc	е 🔻	
	54g [™] Protection:	Auto 💌		
	Transmit Power:	100% -		
			Save/Apply	
Quality of Serv	vice			

WMM (Wi-Fi Multimedia) technology is available on the wireless router, allowing you to give multimedia applications a higher quality of service and priority in a wireless network so applications such as videos will be of higher quality. Enabling WMM may delay the network traffic of other lower assigned quality applications.

WMM No Acknowledgement can be enabled if you enable WMM which refers to the acknowledgement policy used at the MAC level.

To create a QoS entry, click the Add QoS Entry button to proceed to add or remove traffic class rules for your network. Click on Save/Apply WME Settings.

PARADY	NE° CPE	
Welcome Quick Setup Advanced Setup Advanced Setup Security MAC Filter Advanced Advanced Cuality of Service Station Info Diagnostics Management	WMM(Wi-Fi Multimedia) Settings WMM(Wi-Fi Multimedia): WMM No Acknowledgement:	Disabled 💌 Disabled 💌 Save/Apply WMM Settings

Station Info

The Station Info page shows stations that have been authorized access to the router through its wireless function.



Troubleshooting—Diagnostics

The diagnostics screen allows you to run diagnostic tests to check your DSL connection. In addition, you can test the connection to your DSL service provider.

PARADYN	NE°				
ADSL C	PE				
Uvelcome	pppoa_0_35_1 Diagnostics				
Device Info Quick Setup Quick Setup Device Setup Diagnostics Management	Your modem is capable of testing your DSL status, click "Rerun Diagnostic Tests" at the continues to fail, click "Help" and follow the Test the connection to your local netv	Your modem is capable of testing your DSL connection. The individual tests are listed below. If a test displays a fail status, click "Rerun Diagnostic Tests" at the bottom of this page to make sure the fail status is consistent. If the test continues to fail, click "Help" and follow the troubleshooting procedures. Test the connection to your local network			
	Test your ENET1 Connection:	PASS	Help		
	Test your ENET2 Connection:	PASS	Help		
	Test your Wireless Connection:	PASS	Help		
	Test the connection to your DSL servi	ce provid	ler	-	
	Test ADSL Synchronization:	FAIL	Help		
	Test ATM OAM F5 segment ping:	FAIL	Help		
	Test ATM OAM F5 end-to-end ping:	FAIL	Help		
	Test V	/ith OAM I	-5	Test With OAM F4	

Management

The Management section gives you access to certain setups for the purpose of maintaining the system, including backing up the configurations, viewing system log, maintaining access control, updating software, etc.

Settings

Backup Settings

To save a copy of the configurations that you have made on your router, click on the *Management* and then *Settings* and *Backup*. Click on the **Backup Settings** button initiate the settings backup process.

PARADYNI Adsl gp	
Welcome Device Info Quick Setup Advanced Setup Diagnostics Settings Backup Settings Backup Settings Restore Default System Log Internet Time Coccess Control Update Software Reboot Router	Settings - Backup Backup DSL router configurations. You may save your router configurations to a file on your PC. Backup Settings

The below pop-up screen will appear with a prompt to open or save the file to your computer.



Update Settings

To restore saved settings, select *Management* and then *Settings* and *Update*. Then select the backup file you want to restore and click on **Update Settings**.

PARADYNE Adsl-cp	- - - -
Welcome Composition Device Info Quick Setup Composition Diagnostics Diagnostics Composition Compositi	Settings Update Settings Update DSL router settings. You may update your router settings using your saved files. Settings File Name: Update Settings

The router will restore settings and reboot to activate the restored settings.

Restore Default

Restore Default will remove all current settings and restore the router to factory default settings. To restore the router to factory default settings, select *Management* and then *Settings* and *Restore Default*. Click on the **Restore Default Settings** button and when the confirmation dialog appears, reply OK.

PARADYNE	-	
ADSL CP		
Welcome Device Info Quick Setup Advanced Setup Wireless Diagnostics Management Settings Restore User Settings Restore Default System Log Internet Time Access Control Update Software Reboot Router	Settings Restore Default Settings Restore DSL router settings to the factory	defaults. Restore Default Settings



The router will restore the default settings and reboot.

System Log

The System Log dialog allows you to view the System Log and configure the System Log options.

To view the System Log click on the $\ensuremath{\textit{View System Log}}$ button to check the log file.

PARADY	
Welcome	System Log
	The System Log dialog allows you to view the System Log and configure the System Log options.
Wireless Diagnostics	Click "View System Log" to view the System Log.
Management Settings System Log Internet Time	Click "Configure System Log" to configure the System Log options.
Access Control Dydate Software Reboot Router	View System Log Configure System Log

Below is a view of the System Log.

nttp://192.168.1.1/	logview.	cmd - Wind	ows Internet Explorer	
			System Log	<u></u>
Date/Time	Facility	Severity	Message	1
Jan 1 04:19:59	syslog	emerg	BCM96345 started: BusyBox v1.00 (2007.01.31-00:27+0000)	
Jan 1 04:19:59	user	crit	kernel: eth0 Link UP.	
Jan 1 04:19:59	user	crit	kernel: eth1 Link UP.	
			Refresh Close	

System Log - Configuration

If the log is enabled, the system will log selected events: Emergency, Alert, Critical, Error, Warning, Notice, Informational, and Debugging. All events above or equal to the selected log level will be logged and displayed.

PARADY	
AUSL C	
Welcome Device Info Device Info Device Info Device Annoced Setup Diagnostics Diagnostics Diagnostics System Log Distrings Distrings Distrings Distring Distr	System Log Configuration If the log mode is enabled, the system will begin to log all the selected events. For the Log Level, all events above or equal to the selected level will be displayed. If the selected mode is 'Remote' or 'Both,' events will be ent to the specified IP address and UDP port of the remote systog server. If the selected mode is 'Local' or 'Both,' events will be recorded in the local memory. Select the desired values and click 'Save/Apply' to configure the system log options. Log :

If the selected mode is "Remote" or "Both", events will be sent to the specified IP address and UDP port of a remote system log server. If the selected mode is "Local" or "Both", events will be recorded in the local memory. Select the desired values and click on the "Save/Apply" button to configure the system log options.

Internet Time

The Time Settings page allows you to automatically synchronize your time with a time server on the Internet.

PARADYN	
Welcome Device Info Quick Setup Advanced Setup Advanced Setup Diagnostics Management System Log Internet Time Access Control Update Software Reboot Router	Time settings This page allows you to the modem's time configuration. Automatically synchronize with Internet time servers Save/Apply

If you choose to automatically synchronize with Internet time servers, then click on the box and the below fields appear. Select from the list of NTP (Network Time Protocol) time servers. Then select the time zone that you are in and click on Save / Apply to save and complete your time settings.

PARADYN			
Welcome Device Info Quick Setup Advanced Setup Diagnostics Management System Log Internet Time Access Control Update Software Reboot Router	Time settings This page allows you to t Automatically synchro First NTP time server: Second NTP time server: Time zone offset:	he modem's time configuration. onize with Internet time servers clock.fmt.he.net None (GMT-12:00) International Date Line West	v

Access Control

You can enable or disable some services of your router by LAN or WAN. If no WAN connection is defined, only the LAN side can be configured.

Services

Services that can be enabled or disabled on the LAN / WAN are FTP, HTTP, ICMP, SNMP, SSH, Telnet, and TFTP.

PARADYN Adsl gi	E° PE			
Welcome	Access Control Services			
Device info Quick Setup Advanced Setup Wireless Diagnostics	A Service Control List ("SCL") enables	or disables	services from	being used.
E Settings		Service	LAN	WAN
System Log		FTP	Enabled	Enabled
Access Control Services		HTTP	Enabled	Enabled
Passwords		ICMP	Enabled	Enabled
Update Software Reboot Router		SSH	Enabled	Enabled
		TELNET	Enabled	Enabled
		TFTP	Enabled	Enabled
			Apply	

IP Addresses

Web access to the router can be limited when Access Control Mode is enabled. To add the IP addresses of allowed hosts click on *Access Control* and then *IP Address*.

Add the IP address to the IP address list by clicking on the Add button, then select "Enabled" to enable Access Control Mode.

	NE [°] Pe
Welcome Output Device Info Output O	Access Control IP Address The IP Address Access Control mode, if enabled, permits access to local management services from IP adresses contained in the Access Control List. If the Access Control mode is disabled, the system will not validate IP adresses for incoming packets. The services are the system applications listed in the Service Control List. Access Control Mode

To assign the IP address of the management station that is permitted to access the local management services, enter the IP address in the box and click on the Save / Apply button.

PARADYNE Adsl cp	
Welcome Quick Setup Advanced Setup Advanced Setup Settings Settings System Log Characters Control Services Paswords Paswords Update Software Reboot Router	Access Control Enter the IP address of the management station permitted to access the local management services, and click 'Save/Apply.' IP Address: Save/Apply

Passwords

Access the **Passwords** screen under the **Access Control** section to change a password. Select an account and enter the current password and the new password and then click on the **Save / Apply** button.

PARADYNE		
ADSL CPI		
U Welcome	Access Control Passwords	
Device Info Quick Setup Quick Setup Quick Setup Diagnostics Management Settings Settings Settings Setvices Internet Time Access Control Paswords IP Addresses Paswords Quick Setware Reboot Router	Access to your DSL router is controlled through three user accounts: admin, support, and user.	
	The user name "admin" has unrestricted access to change and view configuration of your DSL Router.	
	The user name "support" is used to allow an ISP technician to access your DSL Router for maintenance and to run diagnostics.	
	The user name "user" can access the DSL Router, view configuration settings and statistics, as well as, update the router's software.	
	Use the fields below to enter up to 16 characters and click "Apply" to change or create passwords. Note: Password cannot contain a space.	
	Username:	
	Old Password:	
	New Password:	
	Confirm Password:	
	Save/Apply	

Update Software

If your ISP releases new software for this router, follow these steps to perform an upgrade.

- 1. Obtain an updated software image file from your ISP.
- 2. Enter the path to the image file location or click on the **Browse** button to locate the image file.
- 3. Click the **Update Software** button once to upload the new image file.

PARADYN Adsl G	
Welcome	Update Software
Quick Setup	Step 1: Obtain an updated software image file from your ISP.
Wireless	Step 2: Enter the path to the image file location in the box below or click the "Browse" button to locate the image file.
🖻 🔄 Management	Step 3: Click the "Update Software" button once to upload the new image file.
System Log	NOTE: The update process takes about 2 minutes to complete, and your DSL Router will reboot.
Access Control	Software File Name: Browse
Update Software	Update Software

Save / Reboot

To reboot the device, click on *Management* and then *Save/Reboot* to save the configurations and/or changes made and to reboot the device using the web interface. The CPE will save the current configuration and reboot itself using the new configuration.

