Skrócona instrukcja instalacji PL

Quick Installation Guide EN





Skrócona instrukcja instalacji





PL

Najnowsze wersje instrukcji, sterowników i oprogramowania dostępne są na stronie www.pentagram.pl .



Spis treści

	4
	4
	4
WPROWADZENIE	5
	5
OBSŁUGA URZADZENIA	6
PRZEDNI PANEL	6
TYLNY PANEL	6
PODŁĄCZANIE KOMPUTERÓW DO CERBERUSA	7
Podłączanie przewodowe (interfejs LAN)	7
Podłączenie bezprzewodowe (interfejs WLAN)	7
Przykładowe podłączenie router i innych urządzeń	8
KONFIGURACIA WŁAŚCIWOŚCI SIĘCI	9
Windows Vista/7	10
Windows 2000/XP	11
Windows 95/98/Me	12
KONFIGURACJA ROUTERA	13
USTAWIENIA DOMYŚLNE	13
Przywracanie ustawień domyślnych	13
Konfiguracja <mark>poprzez przeg</mark> lądarkę www- kreator	14
Konfiguracja <mark>za pom</mark> ocą strony konfiguracyjnej	16
Linia tele <mark>foniczna - ADSL</mark>	16
Łącze <mark>kablowe - xDSL</mark>	21
SPRAWDZ <mark>ENIE STAT</mark> USU POŁĄCZ <mark>ENI</mark> A	28



Ważne informacje

Środki ostrożności

•Unikaj używania oraz przechowywania urządzenia w miejscach silnie zapylonych, o wysokiej wilgotności lub o bardzo niskiej lub wysokiej temperaturze.

•Nie używaj urządzenia, gdy masz mokre ręce, aby uniknąć zniszczenia urządzenia lub porażenia prądem.

•Do czyszczenia urządzenia nie używaj środków chemicznych takich jak benzyna lub detergenty - zawsze czyść urządzenie miękką, suchą ściereczką.

Przed czyszczeniem odłącz urządzenie od komputera i zasilania.

•Nie dokonuj na własną rękę żadnych zmian i napraw, ponieważ możesz stracić prawo do gwarancji.

Nie narażaj urządzenia na upadki i wstrząsy.

Nie używaj routera ani żadnych jego akcesoriów poza zamkniętymi pomieszczeniami.

•Używaj tylko zasilacza dołączonego do zestawu. Używanie zasilacza o nieprawidłowych parametrach może uszkodzić router.

Informacja dot. zużytego sprzętu elektronicznego

Oznaczenia na urządzeniu i załączonej dokumentacji wskazują na fakt, że urządzenie nie może zostać wyrzucone razem z nieposegregowanymi odpadami komunalnymi po jego zużyciu. Urządzenie należy poddać procesowi recyklingu lub innego przetworzenia w celu odzyskania materiałów, które mogą zostać ponownie wykorzystane a także unieszkodliwiania składników niebezpiecznych.

X

Użytkownicy powinni skontaktować się z organami odpowiadającymi za recykling / odzysk, w celu ustalenia sposobu wycofania urządzenia z użycia w sposób przyjazny dla środowiska.

UWAGAI Wszystkie informacje i dane techniczne mogą ulec zmianie bez wcześniejszego powiadomienia i/lub zaznaczenia tego w niniejszej instrukcji.

Copyright ©2011 PENTAGRAM

Wszelkie prawa zastrzeżone, powielanie i kopiowanie zabronione.

Wprowadzenie

PENTAGRAM Cerberus P 6342 i P 6343 ADSL, WiFi LAN/WAN - dwa bliźniacze modele, które różnią się głównie prędkością przesyłanych danych sieci bezprzewodowej WiFi:

P 6342 - do 150 Mb/s w standardzie 802.11 n

P 6343 - do 300 Mb/s w standardzie 802.11 n

Oba urządzenia znakomicie nadają się do dzielenia sygnału z łączy typu Neostrada, Net24 oraz łączy kablowych Aster/Vectra/UPC, co oznacza iż w praktyce działają ze zdecydowaną większością dostawców Internetu (ISP)

Routery zapewniają bezpieczeństwo sieci lokalnej - wbudowany FireWall oraz pozwalają na szyfrowanie przesyłanych danych. Można bezproblemowo zarządzać siecią WLAN jak i LAN.

Cechy wspólne dla obu modeli:

 - zaawansowany QOS (Quality of service) - pozwalający ustawić priorytety dla pakietów w celu zagwarantowania określonego poziomy wydajności przepływu danych

 wbudowany firewall zapewniający ochronę przed atakami z zewnątrz, gdy ktoś może próbować ukraść, skasować lub pozmieniać dane na naszych komputerach.

 WPA, WEP, MAC Filter - dzięki szyfrowanym połączeniom i możliwości ustawienia dostępu do naszego routera chronimy nasze komputery przed atakami z Internetu jak i bezpośrednie próby włamania do naszego routera przez siec bezprzewodową. Nikt nie chce żeby z naszego łącza włamano się do banku, przesyłano nielegalne oprogramowanie czy tez publikowało materiały niezgodne z prawem.

 Kontrolę rodzicielską (blokowanie URL) - Zabezpieczenia umożliwiają także wsparcie dla kontroli rodzicielskiej, można określić zakres dostępu danego komputera do Internetu oraz do konkretnych stron internetowych

W niniejszym poradniku znajdziesz wszystkie niezbędne informacje potrzebne do instalacji routera, i podłączenia do niego komputera w celu dalszej konfiguracji.

Zaawansowana konfiguracja routera jest szczegółowo opisana w **Instrukcji obsługi** znajdującej się na stronie <u>www.pentagram.pl</u>.

Zawartość pudełka

- 1. PENTAGRAM Cerberus [P 6343]
- Zasilacz
- 3. Kabel sieciowy (RJ-45) i telefoniczny (RJ-11)
- 4. Skrócona instrukcja instalacji

Jeżeli zawartość pudełka jest niekompletna, skontaktuj się ze sprzedawcą urządzenia.

PENTAGRAM Cerberus [P 6342] / [P 6343] Obsługa urządzenia

Panel przedni

1 2/IDTV 3 4 DS WLAN SYS POWERWPS

Diody sygnalizujące

Dioda	Akcja	Opis				
LAN 1-4	Nie świeci	Brak urządzenia p <mark>odłącz</mark> onego do odpowiadającego portu				
	Świeci	Urządzenie podłą <mark>czone do odpow</mark> iadającego portu				
	Miga	Przesyłanie danych				
DSL	Miga	Brak synchron <mark>izacji z ADSL</mark>				
	Świeci	Pomyślne po <mark>dłączenie do AD</mark> SL				
WLAN	Nie świeci	Punkt dost <mark>ęp</mark> owy routera jest wyłączony				
	Świeci	Punkt do <mark>stępowy routera j</mark> est włączony				
	Miga	Przesyłanie danych				
SYS	Nie świeci	Błąd s <mark>przętow</mark> y lub inicjowan <mark>ie u</mark> rządzenia				
	Miga	System gotowy do pracy				
POWER	Świeci	System gotowy				
WPS	Miga	Router pracuje w trybie WPS				

Tylny Panel



Oznaczenie	Używany do
DSL (RJ11)	Pod <mark>łączenia kabla tele</mark> fonicznego - ADSL
L <mark>A</mark> N 1-4 (RJ-45)	Podł <mark>ączania ur</mark> ząd <mark>zeń</mark> sieciowych za pomocą kabla Ethernet
P <mark>OWER</mark>	Podł <mark>ącze</mark> nia zasila <mark>cz</mark> a dołączonego do zestawu
R <mark>E</mark> SET/WPS	Resetowania routera(wciśnij na 7 sekund)/Połączenie WPS(wciśnij
	na 1 sekundę) /
ON <mark>/OF</mark> F	Włączenia i wyłączenia zasilania

PL

Podłączanie komputerów do Cerberusa

Komputery i inne urządzenia sieciowe mogą być podłączane do routera Cerberus na dwa różne sposoby:

Podłączanie przewodowe (interfejs LAN)

Wszystkie porty Ethernetowe (LAN) routera wykonane są w technologii umożliwiającej automatyczne włączenie autoprzepiotu, jeśli jest wymagany. Router automatycznie dobierze maksymalną dostępną prędkość połączenia dzięki funkcji autonegocjacji prędkości. Transmisja z prędkością 10/100 Mb/s wymaga kabla sieciowego (tzw. skrętko) kategorii 5 zakończonego wtyczkami RJ-45, zaciśniętymi zgodnie ze standardem TIA/EIA-568-A/B. Jeden koniec kabla należy podłączyć do karty sieciowej zainstalowanej w komputerze, drugi koniec zaś do jednego z portów LAN routera – po poprawnym podłączeniu dioda odpowiadająca danemu portowi LAN zacznie się świecić.

Podłączenie bezprzewodowe (interfejs WLAN)

Aby możliwe było połączenie komputera do routera Cerberus za pomocą sieci bezprzewodowej, karta WLAN musi być poprawnie zainstalowana w systemie, router musi znajdować się w zasięgu pracy karty bezprzewodowej komputera oraz należeć do tej samej podsieci.





Przykładowe podłączenie routera i innych urządzeń

– Linia telefoniczna - sieć ADSL np. Neostrada, Netia, Dialog - annex A



Łącze kablowe – sieć xDSL np. UPC, Vectra, Multimedia Polska, Aster





Konfiguracja właściwości sieci

Przed podłączeniem komputera do routera (przewodowo lub bezprzewodowo), należy skonfigurować w systemie protokół TCP/IP. Protokół ten powinien być automatycznie instalowany przez system podczas instalacji sterowników karty sieciowej. Zaleca się skonfigurowanie protokołu TCP/IP tak, aby adres IP i inne parametry połączenia były pobierane z serwera DHCP routera. Poniżej opisana jest taka konfiguracja dla róźnych systemów Windows.

Uwaga: W niektórych przypadkach komputer z zainstalowanym systemem Windows 7, Windows Vista lub Windows XP z Service Pack 3 nie może uzyskać adresu IP z serwera DHCP routera. Aby rozwiązać ten problem, proszę postępować zgodnie z instrukcjami wymienionymi na stronie pomocy technicznej firmy Microsoft.

http://support.microsoft.com/kb/928233/en-us (strona ta może być niedostępna w języku polskim).

Windows Vista/7

Uwaga: Konfiguracja sieci wymaga uprawnień administracyjnych. W czasie konfiguracji, może być wymagane kliknięcie przycisku Zezwalaj (Windows Vista) lub Tak (Windows 7) w oknie Kontrola konta użytkownika oraz podanie nazwy i hasła użytkownika z uprawnieniami administracyjnymi, jeśli aktualny użytkownik ich nie posiada.

PL

Kliknij Start → Panel sterowania.

2.Kliknij Wyświetl stan sieci i zadania.

 3.Kliknij Wyświeti stan (Vista) lub na typie połączenia (7) dla właściwego połączenia.
 4.Na zakładce Ogólne kliknij Właściwości.

MARKIN V	in the many of the second se		Contern
	Local and Internet		
ction	Local Connection		View stat
1	Local Connection Status	- X	
	General		
	Connection		
	IPv4 Connectivity:	Internet	
	IPv6 Connectivity:	Local	
	Media State:	Enabled	
	Duration	00:30:46	
	Speech:	1.0 Gbps	
	Cetals		
	Activity		
	Set — 💐 —	Received	
	Dytee: 5 107	17.441	
	Properties Properties Diagnose		
		Cicee	

5.Na zakładce Sieć zaznacz Protokół internetowy w wersji 4 (TCP/IPv4) i kliknij Właściwości.

6.Na zakładce Ogólne zaznacz Uzyskaj adres IP automatycznie oraz Uzyskaj adres serwera DNS automatycznie.

7.Kliknij OK, aby zapisać ustawienia i zamknąć okno Właściwości: Protokół internetowy w wersji 4 (TCP/IPv4).

Networking	
Connect using:	
NVIDIA nForce Networking 0	Controller
This connection uses the following	Compute
🗹 🍨 Client for Mcrosoft Network	ka 🔰
CoS Packet Scheduler	Manual Manufa
🗹 🔺 Internet Protocol Version B	5 (TCP/IPv6)
Internet Protocol Version 4	(TCP/IFv4)
 Link-Layer Topology Disco Link-Layer Topology Disco 	overy Responder
Install. United	tal Properties
Description Transmission Control Bestand for	and factors The defect
wide area network protocol that p	provides communication
across overse interconnected ne	etworks.
	OK Cancel
arnet Protocol Version 4 (TCD/IDvd)	Question 2
	C DOWN WEA
Canada Attended Conferences	roperoes.
General Alternate Configuration	
General Alternate Configuration You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	natically if your network supports ask your network administrator
General Alternate Configuration You can get IP settings advanted for the appropriate IP settings.	natically if your network supports a dk your network administrator
General Atomate Configuration You can get IP settings assigned autor for the appropriate IP settings. © Obtain an IP eddress sutoratical O Ups the following IP address:	natcally if your network supports ask your network administrator
General Attende Configuration You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings. © Uge the following IP address: [P address:	reported adk your network supports adk your network administrator
General Alternate Configuration You can got IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings. © Upen the following IP address: P address: Sylmet need:	nabiałly if your network supports nak your network administrator 2
General Alternate Configuration You can get IP settings assigned autor for capability. Otherwise, you need to for the appropriate P settings. @ Dotain an IP address: 	ntooliy if your network apports add your network administrator
General Alternate Configuration You can got IP settings assigned autor to capability. Oranise, you reads to for the appropriate IP settings. IP Definition IP address: IP address: Sparse to sold: Definition of the sold	rrigen au
General Attendes Configuration Tou can get IP activity assigned a lots for the appropriate P actings Tou can get IP actings IP (De ton P address automotion (IP) packase: Tou can perform a provide acting packase: Tou can perform acting packase: IP address: Tou can perform acting packase: Tou can perform acting packase: Tou can perform acting packase: IP address: Tou can perform acting packase: Tou can perform acting packase: Tou can perform acting packase: IP address: IP address: IP address: IP acting packase: Tou can perform acting packase: IP address: IP address: IP address: IP address: IP address: IP address: IP address: IP address: IP address: IP address:	ntooliy fi your network supports sek your network administrator
Control Attended Configuration Trac can pell Sotting angued back to calculate a configuration to calculate a control of the appropriate P sattings. Col page for Solaron p Andreas: P address: Sylmat rands: Calculat phones: Calculat phones: Calculat phones: Calculat phones: Calculat phones: Calculat phones: Calculat phones: Calculat phones: Calculate phones:	vision of the second seco
Control Attended Configuration This can appl 2 setting assigned basis for the applicity. Control of the applications with the description of the application of the applications application of the application of the applications application of the applications of the applications by the applications of the applications of the applications by the applications of the applications of the applications of the applications of the application	An and a second se
Attenate Configuration Trac can pell petitiva assigned takes to the appropriate 3P actings. Image: Configuration of the appropriate and the appropriate of the appropriate appropriate appropriate of the appropriate appropriate appropriate of the appropriate approprise approprise appropriate appropriate appropriate appropriate appr	<pre>characterized interventions interventions adds your reduces's addressed address if your reduce's addressed address if your reduce's addressed address if your reduce's addressed addressed interventions interventions addressed addressed interventions interventions addressed addressed addressed interventions interventions addressed addressed addressed interventions addressed addressed addressed addressed addressed interventions addressed addressed addressed addressed addressed addressed interventions addressed addresse</pre>
Control Attended Configuration This can get ID setting assigned table to calculate the students, characterise, while the bits the dependence of the terms of term	August Au
Control and Annual to Construct and Annual to Construct and Annual to Construct and Annual to Construct and Annual A	Addative of the second se



Windows 2000/XP

1.Kliknij Start → Ustawienia → Panel sterowania.

2.Dwukrotnie kliknij na ikonie Połączenia sieciowe (2000/XP widoku klasycznym) lub Połączenia sieciowe i internetowe a następnie Połączenia sieciowe (XP w widoku domyślnym).

3.Dwukrotnie kliknij na Połączenie lokalne.4.Na zakładce Ogólne kliknij Właściwości.

5.Na zakładce Ogólne zaznacz Protokół internetowy (TCP/IP) i kliknij Właściwości.

6.Na zakładce Ogólne zaznacz Uzyskaj adres IP automatycznie oraz Uzyskaj adres serwera DNS automatycznie.

7.Kliknij OK, aby zapisać ustawienia i zamknąć okno Właściwości: Protokół internetowy (TCP/IP).

	5- Centrol Panel	×
	Elle Edit Verri Parvantes Tools Help	
	G Dack + 🔘 + 💋 🔎 Search 🌔 Polders	
	Agdress 📴 Control Panel 💌 🛃 Go	
	Fonts Gane Internet Keyboard	-
	1 🔘 💐 👲 🦫	
	House Network Network Setup Phone and	_
	webro Pooen	
	4 🐁 😒 😪	-
	Connects to other cos	111
	Local Area Connection Status	
	General Support	
	Connection	
	Status: Connected	
	Duation 00.03:36	
	Speed 100.0 Mbps	
	Actively	
	en _ 🖓 1	
	ser - Ser - Hecened	
	Destant de la desta	
	Paper 42 4	
		·
		-1
	Lices	
	Local Area Connection Properties	
	General Authentication Advanced	
	Connect using	1
	III Realist RTI 8139 Family PCI Fast Ft	a -
	Zongar.	- II
	This opmection uses the following items:	- 11
	Build Client for Microsoft Networks A File and Printer Sharing for Microsoft Networks	
	Cos Packet Scheduler	
	M Torn Internet Photocol (TCP/NP)	
	the first first state	
	INTER LOCATED STOCKED	
	Dessides	
	Description Transmission Control Protocol/Internet Protocol. The default	
	Description Description Transission Carinal Photocol/Internet Protocol. The default vide area network perforced half pervides communication acoss diverse intercommend metworks.	
	Igratu. principle Procession Processio	
	Domain Domain Domain Domain Domain Domain Toromasion Condit ProceedInteener Proceed Toromasion Condit ProceedInteener Proceed Toromatic and the area interconnected interface Toromatic and T	
	typease t	
	typease t	
	(total	
100	(pos	
Inte	Image:	1
Trata 6	Open Type of the second s) ?×
Trata G	Bigs	
Trite 6	Comparing and a second se	2 2 2 2
1000 6 1	Paren P	
1000 5 1 1	Paraman Control Paraman C	7×
Troke 6 1	Definition Typeson Definition The second s	
frit G	Desc Type Part Type	
6 6 1	Distance Open and Comparison Distance Comparison Comparison Office Comparison Comparison Office Comparison Comparison Office Comparison Comparison Office Comparison Comparison Open comparison Comparison Comparison <td>2×</td>	2×
100 0 6 1	Part Type The control of the contro	2×
G G	Particle Pagende Particular Construction of the second s	2×
G G	Data Tappendic Pattern The second product of produ	2 ×
forta G	Compared and a second sec	2 X
Total G	Image: The part of the second se	X X
6	Compared and a second sec	2×
5	Compared and an analysis Compared and analysis Compared ana	
6	Unit Type The answer of the state	9 X

11

Windows 95/98/Me

1.Kliknij Start → Ustawienia → Panel sterowania.

2.Dwukrotnie kliknij na ikonie Sieć.

3.Na zakładce Konfiguracja zaznacz TCP/IP dla właściwej karty sieciowej i kliknij Właściwości.

4.Na zakładce Adres IP zaznacz opcję Automatycznie uzyskaj adres IP.

PL

5.Na zakładce Konfiguracja DNS zaznacz Wyłącz DNS

6.Kliknij OK, aby zapisać ustawienia i zamknąć okno Właściwości Protokół TCP/IP.

Configuration Identification Access Constil
The following metantic components are installed
Clerit for Microsoft Networks
WINDEA rEase MCP Networking Adapter
Att Berry Proster
Pinne Network Longer
Client for Microsoft Networks
Ele and Print Sharing.
Description
TCP/IP is the protocol you use to connect to the Internet and wide-area networks.
OK. Cancel
TCP/IP Properties
Bindings Advanced NetBIOS DNS Configuration Bioteway WINS Configuration PAddless
An IP address can be automatically assigned to this computer.
If your retrively, does not automatically accign IP addresses, aak your network administrator for an address, and then type it in
The space basis
F (Drain an IP address automatically
- C Specily an IP address:
PAddress.
Colored March
Spectrum .
DK. Cancel
TCP/IP Properties
Bindings Advanced NetBIOS
DNS Configuration Galeway WINS Configuration IP Address
Engle DNS C Engle DNS
Fort Denvir
Children Count State
Ag
Brook
Terrer Solia Search Cape
AS
Server
DK. Canoel

Aby sprawdzić czy karta posiada właściwy adres IP:

1.kliknij na Start > Uruchom (Windows 98/ME/ 2000/XP) lub Start > Wszystkie programy > Akcesoria > Uruchom (Windows Vista/7), aby wyświetlić okno Uruchom;

2.wpisz cmd (Win 2000/XP/Vista/7) lub command (Win 98/ME) i naciśnij Enter;

3.wpisz w linię poleceń **ipconfig /all** (Windows 2000/XP/Vista/7) lub **winipcfg** (Windows 98/ ME) i naciśnij Enter;

4.sprawdź czy wpis IP Address dla odpowiedniej karty sieciowej ma wartość zgodną z pulą adresową serwera DHCP routera, np. 192.168.1.101

Konfiguracja routera

Ustawienia domyślne

Przed rozpoczęciem konfiguracji routera zalecane jest zapoznanie się z poniższymi, domyślnymi ustawieniami najważniejszych parametrów routera.

Adres IP	192.168.1.100
Maska podsieci	255. 2 <mark>55. 255.0</mark>
SSID	PENTAGRAM
Serwer DHCP	Włączony
Pula adresowa serwera DHCP	10 <mark>0 adresów IP</mark>
	od 192.168.1.101
	do 192.168.1.200
Czas dzierżawy adresu IP 💫 🔜	86400 sekund (24 godziny)
Nazwa użytkownika 🦳 🦯	admin
Hasło	pentagram

Zaleca się jak najszybciej zmienić hasło dostępu do strony konfiguracyjnej routera. Jeśli kiedykolwiek zapomnisz hasła dostępowego do routera, należy przywrócić domyślne ustawienia routera.

Przywracanie ustawień do<mark>myślnyc</mark>h

Ustawienia domyślne routera można przywrócić na dwa sposoby:

 kliknięcie na przycisku Restore Default Settings znajdującego się na zakładce Management → Restore Default strony konfiguracyjnej routera, lub

naciśnięcie i przytrzymanie przez ok. 7 sekund przycisku **RESET** znajdującego się na tylnym panelu urządzenia.

13

Konfiguracja routera poprzez przeglądarkę WWW - kreator

1.Uruchom przeglądarkę internetową

2.W pasku adresu wpisz domyślny adres IP: http://192.168.1.100



3.Uruchomi się menu w którym wpisz nazwę użytkownika (domyślnie: admin) oraz hasło dostępu do routera (domyślnie: pentagram)

		Logi	n	
	N	azwa użytkownika Hasło	(Initial user nam Login	e admin)
L 4. Po zalogowaniu,	otworzy się	podstawowa ko	nfiguracja dostę	pu do internetu.
		ENTAGRAM		<u>Ustawienie</u> zaawansowane
				Przewód podłączony
S	tatus	Status połączenia z siecią: 5	Sieć nie jest skonfigurowana	
Ust	awienia sieci	VPI: VCI: Nazwa użytkownika dla połączenia PPPoE: Hasło dla połączenia PPPoE:	0 35 nazwa@usługa.pl	
Ustawie bezprze	enia sieci wodowej	Klucz WPA-PSK TKIP+AES (klucz do sieci bezprzewodowej):		
		Zapisz]	

Widoczny jest tylny panel routera, prawidłowo podłączone kable są podświetlone na zielono.

Po<mark>niż</mark>ej znajdziesz:

Status – aby wyświetlić aktualny stan połączenia z internetem uzupełnij pozycje poniżej dotyczące sieci oraz ustawień sieci bezprzewodowej. Komunikat

- Połączony - dostęp do internetu został ustanowiony prawidłowo.

 Sieć nie jest skonfigurowana - brak połączenia z internetem. Najprawdopodobniej zostało błędnie wpisane Konto dostępu internetu bądź Hasło dostępu internetu.

Ustawienia sieci - wpisz podstawowe parametry linii:

- VPI/VCI - wpisz wartości uzyskane od usługodawcy

 Nazwa użytkownika dla połączenia PPPoE - wpisz nazwę użytkownika uzyskaną od usługodawcy. Maksymalnie 128 znaków alfanumerycznych (rozpoznawana jest wielkość).
 Nazwa użytkownika jest w formacie nazwa@usługa.pl

- Hasło dla połączenia PPPoE- wpisz hasło uzyskane od usługodawcy. Maksymalnie 128 znaków alfanumerycznych (rozpoznawana jest wielkość).

Ustawienia sieci bezprzewodowej - wprowadź hasło, aby zabezpieczyć sieć bezprzewodową kluczem WPA-PSK TKIP+AES. Długość klucza wynosi od 8 do 63 znaków (bez znaków specjalnych np. ,>[)

Zapisz - Kliknij, aby skonfigurować i ustanowić połączenie

PL

Konfiguracja routera za pomocą strony konfiguracyjnej

- Linia telefoniczna - ADSL

W przypadku korzystania przez usługodawcę z innej enkap<mark>sulacji niż PPPoE</mark>, należy ręcznie skonfigurować połączenie:

Uruchom przeglądarkę internetową

2.W pasku adresu wpisz domyślny adres IP: http://192.168.1.100



3.Uruchomi się menu w którym należy wpisać nazwę użytkownika (domyślnie: admin) oraz hasło dostępu do routera (domyślnie: pentagram)



5. W menu po lewej stronie przejdź do zakładki Advanced Setup \rightarrow Wan Service \rightarrow ATM Interface

Device Info												
Advanced Setup	DSL ATM In	terfa	ce C	onfiguratio								
Connection Mode												
WAN Service												
ATM Interface					Choose A	dd, or H	temove to conf	igure USL /	cini internace	5.		
Connection Setting		-		DCI		1 total	Connection		Cabadalas	Ourse	Crewn	1
LAN	Interface	Vpi	Vci	Latency	Category	Type	Mode	IP QoS	Ala	Weight	Precedence	Remove
DHCP Setting			05	Dutte			Durfs Mileste	Disabled			100000000000000000000000000000000000000	
NAT	atmo	0	35	Fatho	UDR	EOA	Delanimode	Disabled				
Security												
Time Restriction												
Quality of Service												
Routing	Add F	ama	va l									
DNS	Engel Er	(alling										
DSL												
UPnP												
Interface Grouping												
Multicast												
Wireless												
Diagnostics												
Management												
Exit												
Back to wizard												

Widoczna jest tabel z aktualnymi parametrami połączenia. Zaznacz opcję **Remove** w tabeli, a następnie potwierdź wybór poprzez kliknięcie przycisku **Remove**. Aby dodać nowe typ połączenia kliknij przycisk **Ad**.

Device Info	
Advanced Setup	ATM PVC Configuration
Connection Mode	
WAN Service	This assess allows you'r applicate an (TM DVC identifier (VD) and VCD asled DCI letano, asled a series
ATM Interface	category. Otherwise choose an existing interface by selecting the checkbox to enable it
Connection Setting	
LAN	VP: (0-255) 0
DHCP Setting	
NAT	VCI: [32-65535] 35
Security	
Time Restriction	
Quality of Service	Derect Doc Link Type (cox is for mmoc, inoc, and Bridge.)
Routing	O EDA
DNS	
DSL	
UPnP	Encapsulation Mode: VC/MUX
Interface Grouping	
Multicast	Service Category: UBR Without PCR •
Wireless	
Diagnostics	Select IP QoS Scheduler Algorithm
Management	Strict Priority
Exit	Precedence of the default queue: 8 (lowest)
Back to wizard	Weighted Fair Queuing
	Weight Value of the default queue: [1-63] 1
	MPAAL Group Precedence: 8 -

Przy podstawowej konfiguracji prawidłowo ustaw tylko parametry znajdujące się w zaznaczonej na czerwono ramce. Kliknij przycisk **Apply/Save**, aby zapisać i dodać do tabeli nowe dane konfiguracyjne.

6. Następnie w menu po lewej stronie wybierz zakładkę Advanced Setup → Wan Service → Connection Setting

Device Info										
Advanced Setup	Wide Area Netwo									
Connection Mode										
WAN Service		0								
ATM Interface		Choose Add	Remov	e of Edit to com	igure a viven se	avice ove	ase	ected inten	ace.	
Connection Setting	Interface	Description	Type	Man9021n	ManMuxId	Iamo	NAT	Firewall	Romovo	Edit
LAN	Interface	Description	TAbe	Vianouzip	VIGITI-TUATO	Tamb	INT	Incide	Remove	Luic
DHCP Setting										
NAT										
Security										
Time Restriction										
Quality of Service		_								
Routing	Add Remo	ive								
DNS										
DSL										
UPnP										
Interface Grouping										
Multicast										
Wireless										
Diagnostics										
Management										
Exit										
Back to wizard										

Wybierz **Add**, aby wprowadzić dane niezbędne do uzyskania połączenia z internetem.

W następnym oknie ukażą się dane potwierdzające wybrane parametry jak enkaspulacja i wartość VPI/VCI

Device Info			
Advanced Setup	WAN Service Configuration		
Connection Mode			
WAN Service			
ATM Interface			
Connection Setting	Enter Service Description:	nnnna 0 0 35	
LAN		Leeen	
DHCP Setting			
NAT			
Security			
Time Restriction			
Quality of Service			
Routing	Deale Mart		
DNS	Back		
DSL			
UPnP			
Interface Grouping			
Multicast			
Wireless			
Diagnostics			
Management			
Exit			
Back to wizard			

Kliknij przycisk Next.

18

W kolejnym oknie wprowadź dane od usługodawcy nazwę użytkownika oraz hasło dostępu do usługi (uzupełnij dane znajdujące się w zaznaczonej na czerwono ramce).

Device Info	
Advanced Setup	PPP Username and Password
Connection Mode	
WAN Service	
ATM Interface	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter
Connection Setting	the user name and password that your ISP has provided to you.
LAN	
DHCP Setting	PPP Username: nazwa@uskuga pl
NAT	DDD Deserverd
Security	FFF Fd33W0IU
Time Restriction	Authentication Method: AUTO
Quality of Service	Clone MAC
Routing	Enable Fullcone NAT
DNS	
DSL	Dial on demand (with Idle timeout timer)
UPnP	Use Static IPv4 Address
Interface Grouping	Enable PPP Debug Mode
Multicast	Multicast Drovy
Wireless	Cookie (CND Hullinget Draw
Diagnostics	Chable four Multicast Floxy
Management	
Exit	
Back to wizard	71 1.10 31 1.30

Kliknij przycisk Next.

W dwóch kolejnych oknach ukażą się dane odnoście bramy domyślnej i serwerów DNS, przy podstawowej konfiguracji nie należy ich zmieniać – kliknij dwukrotnie przycisk **Next.**

Ostatnim etapem jest potwierdzenie wprowadzonych danych.

Device Info			
Advanced Setup	WAN Setup - Summary		
Connection Mode			
WAN Service	Make ours th	the addings below match the addings provided by your ICD	
ATM Interface	make sure m	The seeings below match the seeings provided by your ISP.	
Connection Setting	Connection Type:	PPPOA	
LAN	NAT:	Enabled	
DHCP Setting	Full Cone NAT:	Disabled	
NAT	Firewall:	Enabled	
Security	IGMP Multicast:	Disabled	
Routing DNS			
DSL			
UPnP	Back Apply/Save		
Interface Grouping			
Multicast			
Wireless			
Diagnostics			
Management			
Exit			
Back to wizard			

Po kliknięciu przycisku **Apply/Save** zapiszesz zmiany i wrócisz do początkowego okna konfiguracji.

Device Info										
Advanced Setup	Wide Area Net									
Connection Mode										
WAII Service		Observe A		and an Endition		Al exercise a		at a distant		
ATM Interface		Choose A	uu, reenn	ove of Edit to t	Johngure a WA	AA SEIVICE (wei a seie	cied milens	308.	
Connection Setting	Interface	Description	Tuno	Mangala	ManMustd	Iamo	NAT	Einouroll	Bomouro	Edit
LAN	Incondec	Description	TIPC	Tanourip	TRAINITURAL	aginp	10-11	TH CHILL	Remore	Luit
DHCP Setting	pppoa0	pppoa_0_0_35	PPPoA	N/A	N/A	Disabled	Enabled	Enabled		Edit
NAT				L						
Security										
Time Restriction										
Quality of Service										
Routing	Remove									
DNS										
DSL										
UPnP										
Interface Grouping										
Multicast										
Wireless										
Discussion										

W tym miejscu możesz usunąć bądź edytow<mark>ać wprowadzone</mark> dane.

PL

Management Exit Back to wizard

Konfiguracja routera za pomocą strony konfigur<mark>acyjnej</mark>

- Łącze kablowe - xDSL

1. Uruchom przeglądarkę internetową

2.W pasku adresu wpisz domyślny adres IP: http://192.168.1.100



3.Uruchomi się menu w którym należy wpisać nazwę użytkownika (domyślnie: admin) oraz hasło dostępu do routera (domyślnie: pentagram)

Nazwa użytkownika	(Initial user name admin
Hasto	Login

4. Po zalogowaniu, otworzy się podstawowa konfiguracja dostępu do internetu. W prawym górnym rogu wybierz Ustawienia Zaawansowane.

			Przewód
Status	Status połączenia z siecią	Sieć nie jest skonfigurowan	a
	VPI	0	
Ustawienia	VCI	35	
sieci	Nazwa użytkownika dla polaczenia PPPoF	nazwa@usługa.pl	
Sicci	Hasło dla połączenia PPPoE:		
Ustawienia sieci	Klucz WPA-PSK TKIP+AES		
bezprzewodowej	(klucz do sieci bezprzewodowej):		

Device Info		_
Advanced Setup	Mode Select	
Connection Mode		
WAN Service	Node Select	
LAN	O DSI Mode	
DHCP Setting	Ethernet Mode	
NAT		
Security		
Time Restriction		
Quality of Service		
Routing		
DNS		
DSL	Apply	
UPnP		
Interface Grouping		
Multicast		
Wireless		
Diagnostics		
Management		
Exit		
Back to wizard		

Zaznacz opcję Ethernet modę, następnie zapisz zmiany klikając Apply.

PL

6. W menu po lewej stronie przejdź do zakładki Advanced Setup → WAN Service → ETH Interface. Kliknij przycisk ADD aby dodać nową konfigurację do tabeli (jeżeli jakaś pozycja jest już zapisana, usuń ją poprzez zaznaczenie w kolumnie Remove i potwierdź klikając przycisk Remove).

Device Info			
Advanced Setup			
Connection Mode			
WAN Service	Chasses Add at	Demous to configure CTU W/M interfaces	
ETH Interface	Allow	one FTH as layer 2 wan interface	
Connection Setting			
LAN	Interface/(Name)	Connection Mode	Remove
DHCP Setting			
NAT			
Security			
Time Restriction			
Quality of Service			
Routing	Add		
DNS			
DSL			
UPnP			
Interface Grouping			
Multicast			
Multicast Wireless			
Multicast Wireless Diagnostics			
Multicast Wireless Diagnostics Management			
Multicast Wireless Diagnostics Management ixit			

	PENTAGRAM Cerberus (P63421 / IP 63431
Device Info	
Advanced Setup	ETH WAN Configuration
Connection Mode	
WAN Service	This second description of the second s
ETH Interface	Inis screen allows you to configure a ETH port.
Connection Setting	Select a ETH port
LAN	
DHCP Setting	Select Connection Mode
NAT	Default Mode - Single service over one connection
Security	VLAN MUX Mode - Multiple Vian service over one connection
Time Restriction	
Quality of Service	Note: eht0 = lan1, eht1 = lan2, eht2 = lan3, eht3 = lan4
Routing	
DNS	
DSL	
UPnP	Back Appl//Save
Interface Grouping	
Multicast	
Wireless	
Diagnostics	
Management	
Exit	
Back to wizard	

Zapisz zmiany przyciskiem Apply/Save.

7. Przejdź do zakładki Advanced Setup \rightarrow WAN Service \rightarrow Connection Setting. Kliknij przycisk ADD aby dodać nową konfiguracje.

Device mile											_
Advanced Setup	Wide	Area Networ									
Connection Mode											
WAN Service			Choose Add	Bamara	o or Edit to conf	auro o MAN os	nico our	r o ool	noted interfe		
ETH Interface			Choose Add	Rentow	e or Edit to com	gure a virus se	wice ove	a ser	ected intens	ice.	
Connection Setting		Intorface	Description	Tumo	Man9021n	ManMuxId	Iamo	NAT	Grouvall	Pomovo	Edit
LAN		Internace	Description	TAbe	Vianouzip	VIGITITUATO	Think	1041	1 II CWAII	Remove	Luit
DHCP Setting											
NAT											
Security											
Time Restriction											
Quality of Service	_	_	_								
Routing	Ad	Id Remov	e								
DNS											
DSL											
UPnP											
Interface Grouping											
Multicast											
Wireless											
Diagnostics											
Management											
Exit											
Back to wizard											

W kolejnym oknie wybierz odpowiednią opcję konfiguracji połączenia – informacje uzyskasz od usługodawcy.

PL

PENTAGRAM Cerber	us [P 6342] / [P 6343]		
Advanced Setup	WAN Service Configuration		
Connection Mode			
WAN Service			
ETH Interface	Select WAN service type:		
Connection Setting	IP over Ethemet		
LAN	O In over Enternet		
DHCP Setting			
NAT	Enter Service Description:	pppoe_eth3	
Security		10.10 JE	
Time Restriction			
Quality of Service			
Routing			
DNS			
DSL			
UPnP	Back Next		
Interface Grouping			
Multicast			
Wireless			
Diagnostics			
Management			
Exit			
Back to wizard			

PPP over Ethernet (PPPoE) - autoryzacja z<mark>a p</mark>omocą loginu i hasła IP over Ethernet - autoryzacja poprzez d<mark>ynamiczny lub sta</mark>ły adr<mark>es</mark> IP.

Kliknij przycisk **NEXT**, aby kontynuować. W zależności od wyboru opcji ukażą się inne okna do wprowadzenia danych.

- Konfiguracja PPP over Ethernet (PPPoE)

Advanced Setup PPP us Connection Node WAR Service ETH Interface Connection Setting IAR MAT BICP Setting IAR Security Time Restriction Quality of Service Rooting DIS OSL	PPP Usually requires that you have a user name and password to establish your connection. In the bores below, e the user name and password that your ISP has provided to you. PPP Username: PPP Password PPPcE Service Name: Authentication Method: AUTO Convertance Convertance
Connection Mode WAM Service ETH Interface Connection Setting LAM DHCP Setting MAT Security Time Restriction Quality of Service Routing DHS OSL	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, e the user name and password that your ISP has provided to you.
WAN service Ethi Interface Connection Setting LAN DHCP Setting HAT Security Time Restriction Quality of Service Routing DHS DSL	PPP usually requires that you have a user name and password to establish your connection. In the bares below, e the user name and password that your ISP has provided to you. PPP Username: PPP Dassword PPPcE Service Name: Authentication Method: AUTO Conventant
ETII Interface Connection Sotting LAN DICP Setting HAT Security Time Restriction Quality of Service Routing DIIS DIS	PPP Usually requires that you have a user name and password be stablish your connection. In the bases below, e be user name and password that your ISP has provided to you. PPP Username: PPP Password PPPGS Service Name: Authentication Method: AUTO Connection
Connection Setting LAII DHCP Setting IAAT Security Security Time Restriction Quality of Service Routing DHS DSL	The user name and password that your ISP has provided to you.
LAN DHCP Setting IAT Security Time Restriction Quality of Service Routing DHS DSL	PPP Usemame: PPP Password PPPcE Service Name: Authentication Method: AUTO
DHCP Setting HAT security Time Restriction Quality of Service Routing DRS DSL	PPP Uservane PPP Password Attraction Method AUTO Convertance Convertance
HAT Security Time Restriction Quality of Service Routing DHS DSL	PPP Password PPPCS Service Name: Authentication Method: AUTO Convention Convention
Security Time Restriction Quality of Service Routing DNS DSL	PPPoE Service Name: Authentication Method: AUTO
Time Restriction Quality of Service Routing DNS DSL	Authentication Method: AUTO
Quality of Service Routing DNS DSL	Authentication Method: AUTO
Routing DNS DSL	Clone MAC
DNS	
DSL	Enable Fullcone NAT
UPnP	Dial on demand (with idle timeout timer)
Interface Grouping	PPP IP extension
Multicast	I ise Static IPvd Address
Wireless	
Diagnostics	Enable PPP Debug Mode
Management	Bridge PPPoE Frames Between WAN and Local Ports
Exit	Multicast Proxy
Back to wizard	Enable IGMP Multicast Proxy

Wprowadź podstawowe dane zaznaczone w ramce na czerwono. Usługodawca może podać tylko pozycję PPP Username oraz PPP Password. W takim wypadku pozostałe pozycje zostaw niezmienione. Kliknij przycisk **Next**.

W dwóch kolejnych oknach ukażą się ustawienia odnoście bramy domyślnej i serwerów DNS, przy podstawowej konfiguracji nie należy ich zmieniać – kliknij dwukrotnie przycisk Next.

Device Info		
Advanced Setup		
Connection Mode		
WAN Service	Noko sura ih	at the settings below match the settings provided by your ISP
ETH Interface	Make sure un	onoc
Connection Setting	Connection Type:	FFFOC
LAN	NAT:	Enabled
DHCP Setting	Full Cone NAT:	Disabled
NAT	Firewall:	Enabled
Security	IGMP Multicast:	Disabled
DNS DSL	Back Apply/Save	
Interface Grouping		
Interface Grouping Multicast		
Interface Grouping Multicast Wireless		
Interface Grouping Multicast Wireless Diagnostics		
Interface Grouping Multicast Wireless Diagnostics Management		
Interface Grouping Multicast Wireless Diagnostics Management Exit		

Ostatnim etapem jest potwierdzenie wprowadzonych danych.

Device Info	
Advanced Setup	
Connection Mode	
WAN Service	
ATM Interface	
Connection Settin	g
LAN	
DHCP Setting	
NAT	
Security	
Time Restriction	
Quality of Service	
Routing	
DNS	
DSL	
UPnP	
Interface Grouping	
Multicast	
Wireless	
Diagnostics	
Management	
Exit	
Back to wizard	

Make sure the	at the settings below match the settings provided by you	r ISP.
Connection Type:	PPPoA	
NAT:	Enabled	
Full Cone NAT:	Disabled	
Firewall:	Enabled	
IGMP Multicast:	Disabled	

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications.

Back Apply/Save

Device Info										
Advanced Setup	Wide Area Netw									
Connection Mode										
WAN Service										
ETH Interface		Choose	Add, Ref	nove of Edit to	conligure a vi	AN Service	over a sei	ected intel	Tace.	
Connection Setting	Interfere	Description	Tunn	Man 0021 m	Manhhuntd	¥	HAT	Circumit	Demour	C.din
LAN	Internace	Description	Type	VialioU21p	Vialimuxtu	Iginp	IIAI	rirewaii	Kelliove	EOIC
DHCP Setting	ppp0	pppoe_eth3	PPPoE	N/A	N/A	Disabled	Enabled	Enabled		Edit
NAT										
Security										
Time Restriction										
Quality of Service										
Routing	Remove									
DNS										
DSL										
UPnP										
Interface Grouping										
Multicast										
Wireless										
Diagnostics										
Management										
Exit										

Po kliknięciu przycisku Apply/Save zapisze<mark>sz zmiany i pow</mark>rócis<mark>z do po</mark>czątkowego okna

DI

konfiguracji. W tym miejscu możesz usunąć bądź edy<mark>tować wprowadzo</mark>ne da<mark>n</mark>e.

Back to wizard

- IP over Ethernet

Device Info	
Advanced Setup	WAN IP Settings
Connection Mode	
WAN Service	Enter information provided to you by your ICD to configure the WAN ID cottings
ETH Interface	Notice: If "Obtain an IP address automatically" is chosen. DHCP will be enabled for PVC in IPoE mode
Connection Setting	If "Use the following Static IP address" is chosen, enter the WAN IP address, subnet mask and interface gateway.
LAN	
DHCP Setting	Obtain an IP address automatically
NAT	Use the following Static IP address:
Security	WAN IP Address:
Time Restriction	WAN Subnet Mask:
Quality of Service	WAN gateway IP Address:
Routing	
DNS	Clone MAC
DSL	
UPnP	
Interface Grouping	Back Next
Multicast	
Vireless	
Diagnostics	
Management	
Exit	

Back to wizard

W zależności od informacji uzyskanych od usługodawcy wybierz odpowiedni sposób uzyskiwania adresu IP

- Obtain an IP adress automatically automatyczne uzyskiwanie adresu IP
- Use the following Static IP address wprowadź adresy IP niezbędne do połączenia.

Kliknij przycisk **Next**, aby kontynuować.

W trzech kolejnych oknach ukażą się ustawienia odnoście włączenia funkcji NAT i Firewall oraz bramy domyślnej i serwerów DNS, przy podstawowej konfiguracji nie należy ich zmieniać - kliknij trzykrotnie przycisk **Next**.

anced Setup	WAN Setup - Summary	
Connection Mode		
WAN Service		
ETH Interface	Make sure th	at the settings below match the settings provided by your ISP.
Connection Setting	Connection Type:	IPoE
LAN	NAT:	Enabled
DHCP Setting	Full Cone NAT:	Disabled
NAT	Firewall:	Enabled
Security	IGMP Multicast:	Disabled
Quality of Service Routing	Click "Apply/Save" to h	ave this interface to be effective. Click "Back" to make any modifications.
Quality of Service Routing DNS	Click "Apply/Save" to h	ave this interface to be effective. Click "Back" to make any modifications.
Quality of Service Routing DNS DSL UPnP	Click "Apply/Save" to ha	ave this interface to be effective. Click "Back" to make any modifications.
Quality of Service Routing DNS DSL UPnP Interface Grouping	Click 'Apply/Save' to h	ave this interface to be effective. Click 'Back' to make any modifications.
Quality of Service Routing DNS DSL UPnP Interface Grouping Multicast	Click "Apply/Save" to h	ave this interface to be effective. Click 'Back' to make any modifications.
Quality of Service Routing DNS DSL UPnP Interface Grouping Multicast Vireless	Click "Apply/Save" to h	ave this interface to be effective. Click 'Back' to make any modifications.
Quality of Service Routing DNS DSL UPnP Interface Grouping Multicast Wireless Jagnostics	Click 'Apply/Save' to h	ave this interface to be effective. Click 'Back' to make any modifications.
Quality of Service Routing DNS DSL UPAP Interface Grouping Multicast Wirekess Diagnostics Management	Click 'ApplySave' to h	ave this interface to be effective. Click 'Back' to make any modifications.
Quality of Service Routing DHS DSL UPAP UPAP Multicast Wireless Diagnostics Management Sit	Click 'ApplySave' to h	ave this interface to be effective. Click 'Back' to make any modifications.

Po kliknięciu przycisku Apply/Save zapiszesz zmiany i powrócisz do początkowego okna konfiguracji.

Device Into										
Advanced Setup	Wide Area Netw									
Connection Mode										
WAN Service		0							4	
ETH Interface		Choose A	idd, Re	move of Edit to	conligure a v	VAN Servic	e over a se	rected inte	nace.	
Connection Setting	Interface	Decorintion	Tuno	Man9021n	VanMuxId	Iamp	NAT	Grouvall	Romovo	Edit
LAN	Interiace	Description	Type	Vianouzip	VIAIIMUXIU	Igmp	IDAT	rirewall	Kelliove	Eule
DHCP Setting	eth3	ipoe_eth3	IPoE	N/A	N/A	Disabled	Enabled	Enabled		Edit
NAT			_						L	
Security										
Time Restriction										
Quality of Service										
Routing	Remove									
DNS										
DSL										
UPnP										
Interface Grouping										
Multicast										
Wireless										
Diagnostics										
Management										
Exit										
Back to wizard										

W tym miejscu możesz usunąć bądź edytować wprowadzone dane.

Sprawdzenie statusu połączenia

W menu po lewej stronie wybierz zakładkę **Device** \rightarrow **Summary**

Device Info		
Summary	Device Info	
WAN		
Statistics		
Route	The following table shows the current s	atus of system information
ARP		
Advanced Setup	Board ID:	963281TAN
Vireless	Build Timestamp:	110719_0951
Diagnostics	Software Version:	1.0.0
Management	Bootloader (CFE) Version:	1.0.37-106.24
Back to wizard	DSL PHY and Driver Version:	A2pD030n.d23c
	Wireless Driver Version:	5.100.96.0.coe4.06L03.0
	LAN TDrd Address	192 188 1 100
	Line Rate - Downstream (Kbps):	0
	LAN IPv4 Address:	192.168.1.100
	Default Gateway:	
	Primary DNS Server:	0.0.0.0
	Secondary DNS Server:	0.0.0.0
	Date/Time:	Thu Jan 1 00:05:57 1970
	This information reflects the current sta Wireless statue:	enable
	Wireless ModeLs	b/g/n Mixd Mode
	SSID:	PENTAGRAM
	BSSID:	C8:3A:35:48:40:29

Jeżeli połączenie zostało prawidłowo skonfigurowane to w ramce zaznaczonej kolorem czerwonym pojawi się adres IP uzyskanej bramy domyślnej i serwera DNS.

UWAGAI Konfiguracja routera jest szczegółowo opisana w Instrukcji obsługi znajdującej się na stronie www.pentagram.pl

Quick Installation Guide





PENTAGRAM Cerberus [P 6342] / [P 6343]

The latest versions of manual, drivers and applications are available on www.pentagram.eu .



Table of contents

IMPORTANT INFORMATION	4
SAFETY PRECAUTIONS	4
INFORMATION CONCERNING WASTE ELECTRONIC EQUIPMENT	4
INTRODUCTION	5
PACKAGE CONTENTS	5
OPERATING THE DEVICE	6
FRONT PANEL	6
REAR PANEL	6
CONNECTING COMPUTERS TO THE CERBERUS	7
Wired connections (LAN interface)	7
Wireless connections (WLAN interface)	7
Example connecting the router and other devices	8
CONFIGURING NETWORK PROPERTIES	9
Windows Vista/7	9
Windows 2000/XP.	11
Windows 95/98/Me	12
CONFIGURING THE ROUTER	13
DEFAULT SETTINGS	13
Restoring default settings	13
CONFIGURATION BY A WEB BROWSER-WIZARD	14
CONFIGURATION USING THE CONFIGURATION PAGE	16
Phone Line - ADSL	16
Link Cable - xDSL	21
CHECKING C <mark>ONNECTIO</mark> N STATUS	28



Important information

Safety precautions

•Do not use or store the device in dusty places, where the humidity is high or in extreme temperatures.

•Do not operate the device with wet hands to avoid the risk of device damage or electric shock.

•Do not clean the device with chemicals, such as benzine or detergents - always clean the device with a soft, dry cloth.

Disconnect the device from the computer prior to cleaning.

- Do not modify or fix the device yourself in any way, it might void the guarantee.
- •Do not drop or shake the device.
- Avoid using this product and all accessories outdoors.

•Only use the power adapter that comes with the package. Using a different voltage rating power adapter may damage the router.

Information concerning waste electronic equipment

The markings on the device and in the attached documentation indicate that it cannot be disposed of along with unsegregated general black bag waste when withdrawn from use. The device must be recycled or processed in another way to recover reusable materials and neutralize hazardous components.



The users should contact recycling/recovery authorities to determine how the device is to be disposed of in an environment-friendly manner.

NOTE: All information and technical data is subject to change without previous notice and/or indication in this manual.

Copyright ©2011 PENTAGRAM

All rights reserved; copying and reproduction is strictly forbidden.

4

Introduction

PENTAGRAM Cerberus P 6342 and P 6343 ADSL, WiFi, LAN / WAN - twin models that differ mainly in data transfer speed WiFi wireless network:

P 6342 - up to 150 Mb / s in 802.11 n

P 6343 - up to 300 Mb / s in 802.11 n

Both devices are ideal for sharing a signal with links Neostrada, Net24 and cable connects Aster / Vectra / UPC, which means that in practice the vast majority of working with Internet service providers (ISPs)

Routers provide network security - built-in Firewall and allow the encryption of transmitted data. You can easily manage the WLAN and LAN.

Common features for both models:

- Advanced QoS (Quality of Service) - allows you to set priorities for packages in order to guarantee certain levels of performance of data flow

- Built-in firewall provides protection against attacks from the outside, when someone might try to steal, delete or rearrange data on our computers.

 WPA, WEP, MAC Filter - with encrypted connections and can set the access to our router, we protect our computers against attacks from the Internet and direct attempts to break into your router via a wireless network. Nobody wants to link to our broken into the bank, sent on illegal software or published the material also illegal.

Parental Controls (URL blocking) - Security also provide support for parental control, you
can specify the range of your computer access to the Internet and specific web pages.

In this guide you will find all the information needed to install the router, and connect to a computer for further configuration.

EN

Advanced Configuration of the router is described in detail in the User's Guide located on the side of www.pentagram.eu

Package contents

1.PENTAGRAM Cerberus [P 6343] 2.Mains adapter 3.Network cable (RJ-45) 4.Quick Installation Guide

If any of the package contents are missing, please contact your vendor.

Operating the device

Front Panel

	1.2/IpTV 3	4	DSL WLAN SYS	POWERWPS	
	0 0 0	0	0 0 0	0 0 0	-

LED	Status	Description					
LAN 1-4	Off	No device connected to the corresponding port					
	Flashing	Data transfer					
	On	Device connected to the corresponding port					
DSL	Flashing	No sync with ADSL					
	On	Successfully connected to an ADSL					
WLAN	Off	Access Poi <mark>nt R</mark> outer is off					
	Flashing	Transmitting / Receiving data					
	On	Wireless connection established.					
SYS	Off	Error initializing the hardware or equipment					
	Flashing	System is ready					
POWER	On	System is ready					
WPS	Flashing	WPS is in progress					



EN Rear Panel



Label	Used for
DSL (RJ-11)	Tele <mark>phone cable conne</mark> ctions - ADSL
L <mark>A</mark> N 1-4 (RJ-45)	Conn <mark>ecting</mark> with c <mark>om</mark> puters/devices through Ethernet cable
P <mark>O</mark> WER	Connecting with supplied power adapter
R <mark>E</mark> SET/WP <mark>S</mark>	Resetting the router (press for 7 seconds) / Set connection WPS
	(press for 1 second)
ON <mark>/OFF</mark>	On and off the power

Connecting computers to the Cerberus

Computers and other network devices can be connected to the Cerberus in two ways as described below.

Wired connections (LAN interface)

All Ethernet (LAN) ports on the router support Auto-MDIX functionality, which enables and disables crossover automatically, as required. With the autonegotiation feature, the router also automatically selects the highest connection speed available. For 10/100 Mbps transfers, a Cat. 5 twisted-pair cable is required, terminated with RJ-45 connectors according to TIA/EIA-568-A/B. One end of the cable should be connected to a computer's network adapter, and the other to one of the router's LAN ports. If the connection is correct, the LED indicator corresponding to the LAN port will light up.

Wireless connections (WLAN interface)

In order to connect a computer to the Cerberus using a wireless network, the WLAN adapter must be installed correctly in the system, and the router must be located within the operating range of the wireless adapter and belong to the same subnet.



Example connecting the router and other devices

Phone line - ADSL eg Neostrada, Netia, Dialog - annex A



Link cable - xDSL eg UPC, Vectra, Multimedia Polska, Aster





EN

Configuring network properties

Before a connection (wired or wireless) can be established between your computer and the router, TCP/IP must be configured in the operating system (this protocol should be installed automatically by the system when installing network adapter drivers). It is recommended to configure TCP/IP so that the IP address and other connection settings are obtained from the router's DHCP server. This configuration is described below for various Windows systems.

Note: In some cases, a computer running Windows 7, Windows Vista or Windows XP Service Pack 3 may not obtain an IP address from the router's DHCP server. To solve this issue, please follow the instructions provided on the Microsoft technical support website at http://support.instructions.nd.

Windows Vista/7

Note: You need administrative privileges to perform network configuration. During configuration, it may be necessary to click **Allow** (Windows Vista) or **Yes** (Windows 7) in the **User Account Control** dialog, and provide an administrative user name and password if the current user does not have administrative privileges.

1.Click Start \rightarrow Control Panel.

2.Click View network status and tasks.

3.Click View status (Vista) or click the connection type (7) for your connection.

4.On the General tab, click Properties.



FN

PENTAGRAM Cerberus [P 6342] / [P 6343] 5.0n the Networking tab, select Internet Protocol - 23 Version 4 (TCP/IPv4) and click Properties. Configure... Uninstal Propeties OK Cancel 6.0n the General tab. select Obtain an IP address 2 X Alternate Configuration automatically and Obtain DNS server address can get IP settings assigned automatically if you capability. Otherwise, you need to ask your net he appropriate IP settings. automatically. Obtain an IP address automatically O Upe the following IP address: 7.Click OK to save the settings and close the Internet Protocol Version 4 (TCP/IPv4) Properties dialog. Ogtain DNS server address automatically O Use the following DNS server addresses: Adganced.... OK Cancel **EN**

Windows 2000/XP

1.Click Start \rightarrow Settings \rightarrow Control Panel. 2.Double-click the Network Connections icon (2000/XP classic view) or Network and Internet Connections and then Network Connections (XP default view). 3.Double-click Local Area Connection

4.On the General tab, click Properties.

5.On the General tab, select Internet Protocol (TCP/IP) and click Properties.

6.0n the General tab, select Obtain an IP address automatically and Obtain DNS server address automatically.

7.Click OK to save the settings and close the Internet Protocol (TCP/IP) Properties dialog.

	🕫 Control Panel	
	Ele Edit Yew Pignantes Tools Help	
	Gaset - D - D Search Polders	
	Agdress 🔐 Control Panel 💌 🛃 60	
	Fonts Gane Internet Keyboard II Controllers Options	
	🗠 🔿 🔨 h	
	Notice Network Setup Phone and	
	Connections Wizard Moden	
	🔩 💫 🕥 🕺 🔐	
	Connects to other cos	
	Local Area Connection Status	
	General Support	
	Connection	
	Status: Connected	
	Scent 100.0 Mbs	
	700Mly	
	Sent — Section Received	
	racion 4	
	Donatas Dirabia	
	Qtos	
- 5		
	Treat Area Construction Properties (12) A	
	offera [autremoaton] advanced]	
	Correct using	
	ay neares nicologramp rol rates	
	This connection uses the following items:	
	Build Clerk for Microsoft Networks Set The and Printer Sharing for Microsoft Networks	
	Construction Scheduler	
	M + International (Internation	
	Igstal (Ininitial Properties	
	Description	
	wide area network protocol that provides communication	
	actoss diverse interconnected networks.	
	Stog icon in notification area when connected Notify are when this connection has limited or no preservicity	
	UN Lancel	
Inte	emet Protocol (162/22) Properties 👔	×
6	eneral Alternate Configuration	
2	You can get IP cettings assigned automatically if your network supports this canadality. Otherware unsuread to adv any related a distribution for	н.
È	the appropriate IP settings.	н.
	C Ditain an IP address automatically	
	C Uge the following IP address:	
	Patien	
	Sginstrank.	
	gelad galaxay.	
	Children DNS perver address automatically	
	C Upg the following DNS perver addresses:	
	Briened DNS server.	
	gende DIS seven	
	- 41	
	Adganoed.	
	OK Cancel	1
		-1



Windows 95/98/Me

Click Start → Settings → Control Panel.
 Double-click the Network icon.
 On the Configuration tab, select TCP/IP for the appropriate network adapter and click Properties.

4.On the IP Address tab, select Obtain an IP address automatically.

_	

5.0n the DNS Configuration tab, select Disable DNS. 6.Click OK to save the settings and close the TCP/IP Properties dialog.

Setwork E	1
Configuration Identification Access Control	
The following network components are installed	Þ. 1
Clerit for Microsoft Networks	
TOMP	
Ádd. Remove Properties	ľ
Plinay Network Logon	
Client for Microsoft Networks	
Ele and Print Sharing	
Description TCP/IP is the costoool you use to connect to the Internet and	
wide-area networks.	
OK Cancel	
TCD 4D Documentary R [2]	
Redex 1 Advanced MaRINS 1	
DNS Configuration Gateway WINS Configuration P Address	
An IP address can be automatically assigned to this computer.	
your network administrator for an address, and then type it in the strength administrator for an address, and then type it in	
F ([btain an IP address automatically	
- C Specily an IP address:	
Padársa.	
Spires Varie	
OK. Cancel	
TEP/IP Properties	
Bindings Advanced NetBIDS	
Comparison Balancey White Comparison Proceeding F Dirable DNE	
C Enable DNS	
East Ognvin	
Ohio Grever Greech Galler	
Breez	
Committed as Secret Crists	
- degene	

To verify whether your adapter has a valid IP address:

1.Click Start > Run (Windows 98/ME/ 2000/XP) or Start > All programs > Accessories > Run (Windows Vista/7) to display the Run dialog.

2. Type cmd (Win 2000/XP/Vista/7) or command (Win 98/ME) and press Enter.

3.Type ipconfig /all (Windows 2000/XP/Vista/7) or winipcfg (Windows 98/ME) in the command line and press Enter.

4.Check whether the IP Address entry for the appropriate network adapter matches the address pool of the router's DHCP server, e.g. **192.168.1.101**.

Default settings

Before configuring the router, we recommend reviewing the default settings for key router parameters shown below.

IP address	192.168.1.100
Subnet mask	255. 255. 255.0
SSID	PENTAGRAM
DHCP server	Enabled
DHCP server address pool	100 IP addresses
-	from 192.168.1.101
	to 1 <mark>92.168.1.200</mark>
IP address lease time	86,400 seconds (24 hours)
User name	admin
Password	pentagram

We recommend that you change the access password for the router's configuration page as soon as possible.

If you ever forget the access password for the router, please reset the device to its default settings.

Restoring default settings

The router can be restored to its default settings in two ways:

 •by clicking the Restore Default Settings button on the Management → Restore Default tab on the router's configuration page; or the set of t

•by pressing and holding the **RESET** button on the back of the device for approx. 7 seconds.



PENTAGRAM Cerberus [P 6342] / [P 6343] Configuration by a web browser-wizard

1. Start a web browser

2. In the address bar type the default IP address: http://192.168.1.100



3. Start menu, in which type the user name (default: admin) and password to access the router (default: pentagram)

	Login		
Nazwa	użytkownika	(Initial user name admin)	
	Hasto	Login	

4. Once logged in, you will get a basic configuration of internet access.

	THE STREET	PERFECT SIMPLICITY		zaawansowan
				Przewód podłączony
	Status	Status połączenia z siecią. §	Sieć nie jest skonfigurowan	a
	Ustawienia	VPI: VCI:	35	
	sieci	Nazwa użytkownika dla połączenia PPPoE: Hasło dla połączenia	nazwa@usługa.pl	
l	Jstawienia sieci ezprzewodowej	PPPoE: Klucz WPA-PSK TKIP+AES (klucz do sieci bezprzewodowei);		

Visible is the rear panel of the router, cables are connected correctly highlighted in green. Below you will find:

Status - to view the current status of Internet connection, complete the items below on the network and wireless settings.

Message:

- Connected Internet access has been set up correctly.
- The network is not configured no Internet connection. Is probably misspelled Internet

access account or password to access the Internet.

Network Settings - type the basic parameters of the line:

- VPI / VCI - type values obtained from the service provider

- User name for PPPoE - type user name obtained from your service provider. Up to 128 alphanumeric characters (the size is recognized.) Username format is nazwa@usluga.pl

- Password for the PPPoE connection, enter the password from your service provider. Up to 128 alphanumeric characters (the size is recognized.)

Wireless network settings - Enter the password to protect your wireless network with WPA-PSK TKIP + AES. Key length is from 8 to 63 characters (no special characters, for example,> [)

Zapisz - Click to configure and establish a connection



PENTAGRAM Cerberus (P 6342) / (P 6343) Configuration using the configuration page

- Phone Line - ADSL

If you use a different encapsulation than the PPPoE, you must manually configure the connection:

1. Start a web browser

16

2. In the address bar type the default IP address: http://192.168.1.100



3. Start menu, in which type the user name (default: admin) and password to access the router (default: pentagram)

4. In the	upper right corner, sele	ct Advanced Se	ttings	
		ENTAGRAM	Z	Ustawier aawansov
_	050	4 3 2 1		Przewód podł
	Ctatua			
	Status	status połączenia z siecią.	siec nie jest skontigurowana	
		VPI	0	
	Ustawienia	VCI:	36	
	sieci	połączenia PPPoE:	nazwa@usługa.pl	
		Hasło dla połączenia PPPoE:	••••••	
	Ustawienia sieci	Klucz WPA-PSK TKIP+AES		
	bezprzewodowej	(klucz do sieci bezprzewodowej):		
		Zapisz]	

5. In menu on the left, go to the Advanced Setup \rightarrow Service \rightarrow ATM WAN Interface

Device Info												
Advanced Setup	DSL ATM In	terfa	ce C	onfiguratio	9 0							
Connection Mode												
WAN Service					Chassed	44 44 5	amous to cool	aura OPI d	Thistadaea			
ATM Interface					CHOOSE A	10, 01 P	ternove to com	guie Dac A	this interface	.		
Connection Setting				DEI	1	Link	Connection		Schodulor	Quana	Group	[
LAN	Interface	Vpi	Vci	Latency	Category	Type	Mode	IP QoS	Alg	Weight	Precedence	Remove
DHCP Setting	otm0	0	35	Path0	LIBR	Ené	Defaultilode	Disphled				(FT)
NAT	auto		35	Faulo	ODK	100	Delauliwooe	Disauleu				
Security												
Time Restriction												
Quality of Service												
Routing	Add	Remo	ve									
DNS												
DSL												
UPnP												
Interface Grouping												
Multicast												
Wireless												
Diagnostics												
Management												
Exit												

You can see a table with the current connection parameters. Select **Remove** in the table and then confirm by clicking the **Remove** button. To add a new connection type, click **Add**.

Back to wizard

Advanced Setup ATM PVC Configuration Work Service This screen allows you to configure an ATM PVC (defutifier (VPI and VO), select DSL latence, select a service categoryS. Otherwise choices an existing interface by selecting the checkbox to enable it. ADM Discreenting Interface VPE (destifier) Interface EA Interface Grouping Encamputed Interface V (DAUX) Interface Grouping Encamputed Interface (VDIAUX)	
Connection Node WMI Service ATH Interface Connection Setting LAN DHCP Setting NAT Security Time Restriction Over Setting MAT Security Time Restriction ONS Set OBS. Link Type (EA is for PPPoE, IPOE, and Bridge) Set OBS. Link Type (EA is for PPPoE, IPOE, and Bridge) DHC Set OBS. Link Type (EA is for PPPoE, IPOE, and Bridge) DHC Set OBS. Link Type (EA is for PPPOE, IPOE, and Bridge) DHC Set OBS. Link Type (EA is for PPPOE, IPOE, and Bridge) DHC Set OBS. Link Type (EA is for PPPOE, IPOE, and Bridge) DHC Set OBS. Link Type (EA is for PPPOE, IPOE, and Bridge) DHC Set OBS. Link Type (EA is for PPOE, IPOE, And IPOE, IPOE, AND TYPE (EA is for PPOE, IPOE, IPOE, AND TYPE (EA is for PPOE, IPOE, IPO	
WMI Service This screen allows you'to configure an ATM PVC Identifier (VPI and VCI), seled DSL latency, seled a sendor category. S Otherwise choose an esisting lifetice by selecting the checkborto enable it. ATM Interface This screen allows you'to configure an ATM PVC Identifier (VPI and VCI), seled DSL latency, seled a sendor category. S Otherwise choose an esisting lifetice by selecting the checkborto enable it. IAN WPICP Setting VPI (p.255)	
ATM Interface Inte State A always to be compared by an ALM PCL before (YM and KU), seed U.S., banks, seed a service adopts, Christian Boots and existing inferiors by select (add) the christian (the chr	
Connection Setting VPI: (0-255) UAH VPI: (0-255) MAT VCI: (0-2650) Security Sete OBL: Link Set PPPOE, (PGE, and Bridge.) Quality of Service ExA Routing EPPOA DNS PPOA DNA PROA UPR0 Encapabilition Mode: VCMLIX Interface Grouping Review Computer Section C	
LAII VPI (0-255) 0 DHCP Setting VCI (20-6553) 35 Security Service Setect DSL Link Type (Eok is for PPPOE, IPOE, and Bridge) Thins Restriction Setect DSL Link Type (Eok is for PPPOE, IPOE, and Bridge) DSS 0 DSS 0 DPA UPOP Interface Grouping UPD Minute DDD	
DHCF Secting In processing HAT VOI (20-6558) 35 Security Three Restriction Three Restriction Select DBL Link Type (Eck is for PPPoE, IPOE, and Bridge) Quality of Service Eck Routing Eperpoly DHS IPOA DHS IPOA DHS Encapsulation Mode: DPAP Encapsulation Mode: Interface Grouping Exclapance	
NAT VCL [32-65555] 35 Security Time Restriction Quality of Service Routing DHS DHS DHS DHS DHS DHS DHS DHS DHS DHS	
Security Time Restriction Quality of Service Cost Cost Cost Cost Cost Cost Cost Cost	
Time Restriction Select DSL Link Type (Eck is for PPPoE, IPOE, and Bridge.) Quality of Service E Eck Routing P PPok DIS IPOA UPPP Encapsulation Mode: VC/MUX Imode	
Quality of Service Select Dual, Link type (Low is the MM-Mec, Inde, and shope) Routing EsA DNS IPPAA DNP Encapsulation Mode: Thetrace Grouping Exect One of the MM and th	
Routing © Eion DNS © PPOA 054 UPA Encapsulation Mode: VC/MUX ▼ Interface Grouping	
DHS PIPOL DSL PIPOL UPPP Encapsulation Mode: VC/MUX • Interface Grouping	
DSL UPPD Encapsulation Mode: VCMUX v Interface Grouping Encapsulation Mode: VCMUX v	
UPnp Encapsulation Mode: VC/MUX Interface Grouping Sector Schemen UPD Moleure DOD	
Interface Grouping	
Multicast Senice Colegens LIDD Web-u-b DCD	
Bende Galegoly. OBK Without PCK	
Wireless	
Diagnostics Select IP QoS Scheduler Algorithm	
Management Strict Priority	
Exit Precedence of the default queue: 8 (lowest)	
Back to wizard Weighted Fair Queuing	
weight value of the default queue: [1-6-3]	
MPAAL Group Precedence: 6 💌	

In basic configuration, just set the parameters correctly located in the marked red frame. Click **Apply / Save** button to save and add new data to the table configuration.

6. Then in menu on the left select the tab Advanced Setup \rightarrow Service \rightarrow Wan Connection Setting

Device Info											
Advanced Setup	Wide Ar	ea Network									
Connection Mode											
WAII Service											
ATM Interface			Choose Add,	Remov	e or Edit to confi	gure a way se	rvice ove	rase	ected intern	ace.	
Connection Setting		Interface	Description	Tuno	Mangala	ManMundd	Iamo	NAT	Enoural	Bomouro	Edi
LAN		uncertace	Description	Type	Vianouzip	ViamPiuxiu	Igmp	IDAT	ritewaii	Remove	Eur
DHCP Setting											
NAT											
Security											
Time Restriction											
Quality of Service											
Routing	Add	Remove									
DNS											
DSL											
UPnP											
Interface Grouping											
Multicast											
Wireless											
Diagnostics											
Management											
Exit											
Back to wizard											

Select **Add** to enter the information needed to connect to the Internet. In the next window you can see the selected parameters: enkaspulacja and value of the VPI / VCI

Device mile			
Advanced Setup	WAN Service Configuration		
Connection Mode			
WAN Service			
ATM Interface			
Connection Setting	Enter Service Description	ppppa 0 0 35	
LAN		pppod_0_0_00	
DHCP Setting			
NAT			
Security			
Time Restriction			
Quality of Service			
Routing	Double Manut		
DNS	Back		
DSL			
UPnP			
Interface Grouping			
Multicast			
Wireless			
Diagnostics			
Management			
Exit			
Barah ha submand			

In the window, enter the data from the service provider username and password to access the services (complete data in the highlighted red box).

Advanced Setup	PPP Username and Password
Connection Mode	
WAN Service	
ATM Interface	PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter
Connection Setting	the user name and password that your ISP has provided to you.
LAN	
DHCP Setting	PPP Username: nazwa@usługa.pl
NAT	DDD Deseword
Security	
Time Restriction	Authentication Method: AUTO
Quality of Service	Clone MAC
Routing	Enable Fullcone NAT
DNS	
DSL	Dial on demand (with role timeout timer)
UPnP	Use Static IPv4 Address
Interface Grouping	Enable PPP Debug Mode
Multicast	Multicast Drovy
Wireless	Enable (CMD Mullicent Brown
Diagnostics	Enable Idim P Multicast Ploty
Management	
Exit	
Back to wizard	

Click Next.

In the next two windows are shown information about the default gateway and DNS servers, in the basic configuration not change them - double click the **Next** button.

The last step is to confirm input data.

EN

Device Into
Advanced Setup
Connection Mode
WAN Service
ATM Interface
Connection Setting
LAN
DHCP Setting
NAT
Security
Time Restriction
Quality of Service
Routing
DNS
DSL
UPnP
Interface Grouping
Multicast
Wireless
Diagnostics
Management
Exit
Back to wizard

WAN Setup - Summary

Make sure that the settings below match the settings provided by your ISP.						
Connection Type:	PPPoA					
NAT:	Enabled					
Full Cone NAT:	Disabled					
Firewall:	Enabled					
IGMP Multicast:	Disabled					

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications.

Concession of the local division of the loca	Concernance and the second
Back	Applw/Save

After clicking **Apply / Save** return to the first configuration window.

Device Info										
Advanced Setup	Wide Area Net									
Connection Mode										
WAII Service		Observed		and an Endition		Al exercise a		at a distant		
ATM Interface		Choose A	uu, reenn	ove of Edit to t	Johngure a WA	AA SEIVICE (wella sele	cied milens	sce.	
Connection Setting	Interface	Description	Tuno	Mangala	ManMustd	Iamo	NAT	Einouroll	Bomovo	Edit
LAN	Interface	Description	Type	Vianouzip	Vidin-luxiu	Igmp	MAT	Firewaii	Keniove	Euro
DHCP Setting	pppoa0	pppoa_0_0_35	PPPoA	N/A	N/A	Disabled	Enabled	Enabled		Edit
NAT									L1	
Security										
Time Restriction										
Quality of Service										
Routing	Remove									
DNS										
DSL										
UPnP										
Interface Grouping										
Multicast										
Wireless										
Diagnostics										
Management										

At this point it is possible to remove or edit the information.



Exit Back to wizard

Configuration using the configuration page

- Link Cable - xDSL

1.Start a web browser

2.In the address bar type the default IP address: http://192.168.1.100

Eile	Edit	⊻iew	History	Bookmarks	Tools	Help
------	------	------	---------	-----------	-------	------



3,Start menu, in which type the user name (default: admin) and password to access the router (default: pentagram)

Logiı	
Nazwa użytkownika.	(Initial user name admin)
Hasto	Login

4,Once logged in, you will get a basic configuration of internet access. In the upper right corner, select Advanced Settings.

	PERFECT SIMPLICITY		zaawansowan
			Przewód podłączony
Status	Status połączenia z siecią. §	Sieć nie jest skonfigurowa	ana
Hetawionia	VPI: VCI:	36	
sieci	Nazwa użytkownika dla połączenia PPPoE: Hasio dla połaczenia	nazwa@usługa.pl	
Ustawienia sieci	Hasio dia polączenia PPPoE: Klucz WPA-PSK TKIP+AES (klucz do sieci		

5. In menu on the left, select Advanced Setup → Connection Mode

Device Info	
Advanced Setup	Mode Select
Connection Mode	
WAN Service	
LAN	Mode Select
DHCP Setting	O Disc Mode
NAT	e Eulemer wode
Security	
Time Restriction	
Quality of Service	
Routing	
DNS	
DSL	Apply
UPnP	
Interface Grouping	
Multicast	
Wireless	
Diagnostics	
Management	
Exit	
Back to wizard	

Select Ethernet Mode, then save your changes by clicking Apply.

6. In menu on the left select tab Advanced Setup → Service → ETH WAN Interface. Click the ADD button to add a new configuration to the table (if an item is already saved, delete it by selecting in the Remove column and confirm by clicking the Remove button).

EN

Device Info			
Advanced Setup	ETH WAN Interface Configuration		
Connection Mode			
WAN Service	Chasse Add or B	amous to configure CTU WAN interfaces	
ETH Interface	Allow on	e FTH as laver 2 wan interface	
Connection Setting			
LAN	Interface/(Name)	Connection Mode	Remove
DHCP Setting			
NAT			
Security			
Time Restriction			
Quality of Service	(manual)		
Routing	Add		
DNS			
DSL			
UPnP			
Interface Grouping			
Multicast			
Wireless			
Diagnostics			
Management			
Exit			
Back to wizard			

In the next window, select the LAN port number that will be used as a WAN port.

Advanced Setup Connection Mode WAI Service TIT Interface Connection Setting LAW DICP Setting NAT Security NAT Security Mar Security Dis Dis Dis Dis Dis Dis Dis Dis	Device Info		
Connection Mode This storean allows you to configure a ETH port. ETH Interface Select a ETH port. Connection Setting Select a ETH port. UNP Select a ETH port. Security Eth Interface Time Restriction Outlobe-Single service over one connection Outlobe Vu-NMUX Mode -Multiple Vian service over one connection Outlobe Vu-NMUX Mode -Multiple Vian service over one connection Outlobe Vu-NMUX Mode -Multiple Vian service over one connection Outlobe Vu-NMUX Mode -Multiple Vian service over one connection Outlobe Vu-NMUX Mode -Multiple Vian service over one connection Outlobe Note: eth0 = lant, etht = lan2, eth2 = lan3, eth1 = lan4 Wireless Delayostics Delayostics Febry/Stave	Advanced Setup	ETH WAN Configuration	
WARI Service This screen allows you to configure a ETH port. ETH Interface Select a ETH port BARD Setting Select a ETH port BARD Setting Select a ETH port WARI MAX Select Connection Mode WART Default Mode - Single service over one connection Security VLAN MMX Mode - Jultiple Van service over one connection Guality of Service Note: eth0 = Lan1, ett1 = Lan2, ett3 = Lan3 Molicast East: Uppa East: Management Eit	Connection Mode		
FIN laterface Imit adde an adde a gold is capable is Lin port. Connection Setting while in port. Connection Setting Set at E1 port. DHCP Setting Set at E1 port. RAT Set at E1 port. Security Set at E1 port. Quality of Service Default tode - Single service over one connection Routing VL-NI NUX Mode - Multiple Vian service over one connection Diss Note: eND = lan1, eNt = lan2, eNt = lan4 UPSP Interface Grouping Multicast Apply/Stave Vireless Diagnostics Diagnostics File	WAN Service		
Connection Setting Set of E (19 point) LAN Set of E (19 point) DHCP Setting Set of E (19 point) NAT Set of E (19 point) Security O (10 point) Quality of Service VLANUM Muchoo-Hudipp Van service over one connection Note: HD = Ian1, eht1 = Ian2, eht2 = Ian3, eht3 = Ian4 Routing Note: Dist Back Multicast Monsement Dit Security	ETH Interface	This screen allows you to configure a ETH port.	
LAI BHCP Setting Security Generation Gener	Connection Setting	Select a ETH port	
DHCP Setting Sete:C Connection Hole HAT Image: Default Mode - Single advice our one connection Security Image: Default Mode - Mole advice our one connection Time Restriction UL-NIMUK Mode - Mole advice our one connection Quality of Service Note: eHD = lan1, eH1 = lan2, eH2 = lan3, eH3 = lan4 Rooting Back: ApplySave Interface Group Mole advice our	LAN		
IAT Default Mode - Single service over one connection Security VLAN MUX.Mode - Multiple Vian service over one connection VLAN MUX.Mode - Multiple Vian service over one connection Rotting VLAN MUX.Mode - Multiple Vian service over one connection Rotting Note: eht0 = lan1, eht1 = lan2, eht2 = lan3, eht3 = lan4 Rotting Rotting Interface Company Maticast Management Bat 	DHCP Setting	Select Connection Mode	
Security VLAN MUX Mode - Multiple Vian service over one connection Time Restriction Ousling of Service Restring Diss Diss Diss Diss Diss Diss	NAT	Default Mode - Single service over one connection	
Time Restriction Note: ehD = lan1, eht1 = lan2, eht2 = lan3, eht3 = lan4 Routing DNS Note: ehD = lan1, eht1 = lan2, eht2 = lan3, eht3 = lan4 UPuP Back Interface forcupat Back Multicast Apply/Save Management Ekt	Security	VLAN MUX Mode - Multiple Vian service over one connection	
Quality of Service Note: off0 = lan1, ent1 = lan2, ent2 = lan4. Kouttag Diss Diss bits Unrup Back: ApplySave Interfaces Dispansitions Vireless Dispansitions Dist Eith	Time Restriction		
Routing DIS UPPP Ence Grouping Hulficast Wireless Management Ek	Quality of Service	Note: eht0 = Ian1, eht1 = Ian2, eht2 = Ian3, eht3 = Ian4	
DIS UPPP Back ApplySam UPPP Back ApplySam Interface Groups Wireless Upsenett Kanagement Exit	Routing		
DSL UPAP Back ApplySave Tearson and the second and	DNS		
UPuP Back ApplySave Interface Group Multicast Multicast Diagnostics Kinagement Exit	DSL		
Interface Grouping Multicast Windess Diagnostics Management Exit	UPnP	Back Apply/Save	
Multicat Wireless Wineless Management Exit	Interface Grouping		
Wireless Diagnostics Management Exit	Multicast		
Diagnostics Management Exit	Wireless		
Management Exit	Diagnostics		
Exit	Management		
	Exit		

Back to wizard

Save your changes click Apply / Save.

7. Go to the Advanced WAN Setup \rightarrow Service \rightarrow Connection Setting. Click the ADD button to add a new configuration.

ENTAGRAM Cerber	us IP 63	3421/1	P 63431								
Device Info											
Advanced Setup	Wide	Area Networ	k (WAN) Servic								
Connection Mode											
WAN Service			0								
ETH Interface			Choose Add	Remov	e or Edit to conil	igure a www.se	avice ove	rasen	ected inten	ice.	
Connection Setting	1	Interface	Description	Tumo	Map0031a	Manhhunda	Town	HAT	General	Demana	C.die
LAN		Intenace	Description	Type	VIAIIOUZID	Viamituxtu	Igmp	INAL	rirewali	Kelliove	CUIL
DHCP Setting											
NAT											
Security											
Time Restriction											
Quality of Service			_								
Routing	Add	d Remov	e								
DNS											
DSL											
UPnP											
Interface Grouping											
Multicast											
Wireless											
Diagnostics											
Management											
Exit											
Back to wizard											

In the next window, select the appropriate option to configure the connection - information from your provider.

Advanced Setup WAII Service Configuration WAII Service Configuration Select WANI service hype: Connection Netting Power Ethernet (PPP Ge) DR/S Setting Power Ethernet (PPP Ge) NAT Power Ethernet (PPP Ge) Routing Power Ethernet Oris Gaulary of Service Oris Biological Service Drivelation Nation Matication Nation Matagement Ether Solation Nation Disposition Nation	Device Info		
Connection Mode WAVII Service Connection Setting LAN DACP Setting NAT Security Quality of Service Reading Quality of Service Reading DBS DSL UmP Interface Grouping Multicast Wardess DSapostics Management Setting DSApostics Management Setting DSApostics Management Setting DSApostics Management Setting DSApostics Management Setting DSApostics Management DSApostics Management Setting DSApostics Management DSApostics M	Advanced Setup	WAN Service Configuration	
WARI Service Select WAN service hps: FII Interface PPP overEhemmet (PPPG) DARD Setting P overEhemmet (PPPG) DARD Setting P overEhemmet (PPPG) MAT P overEhemmet (PPPG) Security P overEhemmet (PPPG) Quality of Security Enter Service Description: Routing Dis Dis Dis Dis Enter Service Description: Mathicat Wreleas Disposition Nanagement Soit Enter Service Description: Disposition Nanagement Soit Disposition	Connection Mode		
ETH Interface Selective Opsile Connection Setting IP Op over Ethernel (PPPop) DAC Setting IP over Ethernel (PPPop) Nat Enter Service Description: Security Enter Service Description: Time Restriction Popole_eth3 Data Enter Service Description: Back: Frent	WAN Service		
Connection Setting LAI DHCP Setting RAT Security Time Restriction Quality of Service Routing DHS DSJ DSJ DSJ DSJ DSJ DSJ DSJ DSJ DSJ DS	ETH Interface	Select WAN service type:	
LAI DHCP Setting RAT Security Quality of Service Routing DHS DHS DHS DHS DHS DHS DHS DHS	Connection Setting	PPP over Ethernet (PPPOE)	
DMCP Secting NAT Security Time Restriction Quality of Service Routing DNS DSL UmP Interface Grouping Windexst Diagnostics Management Soit Soit Soit Diagnostics	LAN	O IF OVER Emeriner	
NAT Enter Service Description: pppooe_eth.3 Security Fatter Service Description: pppooe_eth.3 Quality of Service Routing Fatter Service Description: PPP DNS Back Fatter Service Description: Fatter Service Description: UPNP Back Fatter Service Description: Fatter Service Description: Notice Back Fatter Service Description: Fatter Service Description: Notice Back Fatter Service Description: Fatter Service Description:	DHCP Setting		
Security Time Restriction Quality of Service Routing DIS DIS UmP UmP Multicast Wireless Diagnostus Management Scit Scit	NAT	Enter Service Description:	pppoe_eth3
Time Restriction Quality of Service Quality of Service Routing DNS UPuP Interface Grouping Vireless Disponetts Gatter Kanagement Sitt	Security		10.10 H
Quality of Service Routing DBS DBS UmPP Back Fielt Interface Grouping Wireless Diagnostics Minagement Soft Management Soft	Time Restriction		
Routing DIS	Quality of Service		
DNS DS. UPhP Eack Fier Eac	Routing		
DSI UmPP IBAX FARE Interface Grouping Multicast Virelass Diagnostus Management Sxit Asakto Mazaf	DNS		
UPnP Back Trees Interface Grouping Multicast Wrekess Management Soft Soft	DSL		
Interface Grouping Walkcast Witekess Diagnostiks Management Sakt	UPnP	Back Next	
Multicast Wireless Management Exit Back to vizard	Interface Grouping		
Wireless Diagnostics Management Sati Sati	Multicast		
Diagnostics Management Exit Exit	Wireless		
Management Exit Back to wizard	Diagnostics		
Exit Back to wizard	Management		
Back to wizard	Exit		
	Back to wizard		

PPP over Ethernet (PPPoE) - authentication by login and password IP over Ethernet - authorization by dynamic or static IP address.

Click **NEXT** to continue. Depending on the choice of options will appear different window to enter data.

EN

PPP Userally requires that you have a user name and password to establish your connection. In the bares below, en
PPP usually requires that you have a user name and password to establish your connection. In the bases below, en
PPP usually requires that you have a user name and password to establish your connection. In the boxes below, en
PPP usually requires that you have a user name and password to establish your connection. In the boxes below, en
the support and an end of the strength os strength of the strength os stre
the user name and password that your ise has provided to you.
PPP Username:
PPP Password
PPPoE Service Name:
Authentication Method: AUTO
Clone MAC
Enable Fullcone NAT
Dial on demand (with idle timeout timer)
PPP IP extension
I los State Ibul Address
Dise State in the Audress
Enable PPP Debug Mode
Bridge PPPoE Frames Between WAN and Local Ports
Multicast Proxy
Enable IGNP Multicast Prov

Enter the basic data in the frame marked in red. Your service provider may give only the position of the PPP Username and PPP Password. In this case, the other positions do not change. Click **Next**.

In the next two windows are shown information about the default gateway and DNS servers, in the basic configuration not change them - double click the **Next** button.



25

Device Info			
Advanced Setup	WAN Setup - Summary		
Connection Mode			
WAN Service	Make sure th	the settings below match the settings provided by your ISP	
ETH Interface	Make sure in	DDDsc	
Connection Setting	connection Type:		
LAN	NAT:	Enabled	
DHCP Setting	Full Cone NAT:	Disabled	
NAT	Firewall:	Enabled	
Security	IGMP Multicast:	Disabled	
Routing DNS			
DSL	-		
UPnP	Back Apply/Save		
Interface Grouping			
Multicast			
Wireless			
Diagnostics			
Management			
Exit			
Back to wizard			

The last step is to confirm input data.

Device hite		
Advanced Setup		
Connection Mode		
WAN Service	Make ours B	at the settless below match the settless provided house (CD
ATM Interface	make sore u	active seeings below match the seeings provided by your lon.
Connection Setting	Connection Type:	PPPOA
LAN	NAT:	Enabled
DHCP Setting	Full Cone NAT:	Disabled
NAT	Firewall:	Enabled
Security	IGMP Multicast:	Disabled
Time Restriction		
Quality of Service	Click "Apply/Save" to h	ave this interface to be effective. Click "Back" to make any modifications.
Routing		
DNS		
DSL		
UPnP	Back Apply/Save	
Interface Grouping		
Multicast		
Wireless		

Click the button Apply / Save to save and return to the first configuration window.

Advanced Setup Connection Mode WAI Service ETH Interface Connection Setting LAI DHCP Setting RAT Security Time Restriction Quality of Service Routing DHS Bolis DHS DHS DHS DHS DHS DHS DHS DHS	Device Info										
Connection Mode VANI Service VANI Service Connection Setting Date Date Date Part Bearling Date Date Part Bearling Date Date </td <td>Advanced Setup</td> <td>Wide Area Netw</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Advanced Setup	Wide Area Netw									
WAN service Diff Interface Diff Netrification DARD'S setting NAT Security Routing Gataly of Service Routing Disposition Tele Restriction Routing Disposition	Connection Mode										
This hereface Connections Setting LAI Interface Description Type Van8021p Van4 thuckid Type Van8021p Van4 thuckid Remove Edit DKCP DKCP DKAP Van4 DKAP Remove Edit Edit PPP0 PPP0e NA NA NA Remove Edit PROF Scatter NA NA Disables Enabled Enabled Edit PROF Scatter PPP0e NA NA NA Disables Enabled Edit Disables Scatter Scatter Scatter Scatter Scatter Scatter Scatter UP0P Disables Scatter Scatter Scatter Scatter Scatter Scatter Disables Disables Scatter Scatter Scatter Scatter Scatter Scatter Disables Disables Scatter Scatter Scatter Scatter Scatter Scatter Disables Disables Scatter Scatter Scatter Scatter Scatter Disables Disables Disables Scatter Scatter Scatter Scatter	WAN Service										
Connection Setting LAI Interface Description Type Van80021p VanHuidd Jump MAT Frewall Remove Edit DVCP Setting ppp0 ppp00_e,eh3 PPP0E NA NA Disables Enables Enables E <td< td=""><td>ETH Interface</td><td></td><td>Choose.</td><td>Add, Ren</td><td>nove of Edit to</td><td>conligure a w</td><td>AN SEMICE</td><td>over a sei</td><td>ected intel</td><td>race.</td><td></td></td<>	ETH Interface		Choose.	Add, Ren	nove of Edit to	conligure a w	AN SEMICE	over a sei	ected intel	race.	
LAN DRUPSetting Rearries Descuption Type Valuedation Value V	Connection Setting	Interface	Description	Tuno	Man9031n	ManMurid	Iamo	NAT	Einouroll	Pomovo	Edit
DMCD Secting ppp0 ppp0e_em3 PPP0E NA NA Disabled Enabled Image: Edit Security management Doll Control	LAN	Incentace	Description	TAbe	Vianouzip	VIAINTUATU	Igmp	INAT	THEWAN	Kelliove	Luic
NAT Security Time Restriction Quality of Service Remove Dis UPuP Interface Grouping Hutikcast Wireless Dis Dis Cit Cit	DHCP Setting	ppp0	pppoe_eth3	PPPoE	N/A	N/A	Disabled	Enabled	Enabled		Edit
Security Tane Restriction Quality of Service Routing ONS DSL UPaP Interface Multicast Wireless Disgnoottics Kanagement DR	NAT										
Time Restriction Quality of Service Quality of Service Remove DNS UPuP Interface Grouping Multicast Wireless Deignoott:Service Remove	Security										
Quality of Service Ramove Rotifing Ramove DRS DSI UPnP Interface front Nutricust Vireless Disgnoottics Hamagement Dist Either face front	Time Restriction										
Routing Remove ONS DSL UPuP UPuP Interface Grouping Multicast Wreless Obagnostics Management DSt	Quality of Service										
DNS DSI DSI UP:0P Interface froughing Multicast Wireless Disgnootics Management Cold	Routing	Remove									
DSI. UPnP Interface Grouping Multicast Wereless Diagnostics Management Exit	DNS										
UPnP TenterAcc Recoupted TenterAcc Accessed TenterAccessed TenterA	DSL										
Interface Grouping Multicast Vireless Diagnostics Management Exit	UPnP										
Multicast Multicast Diagnostics Management Colt	Interface Grouping										
Wireless Diagnostics Management Exit	Multicast										
Diagnostics Management Exit	Wireless										
Management Exit	Diagnostics										
Exit	Management										
	Exit										

Back to wizard

Diagnostics Management Exit Back to wizard

EN

At this point it is possible to remove or edit the information.



	PENTAGRAM Cerberus IP 63421 / IP 63431
Device Info	
Advanced Setup	WAN IP Settings
Connection Mode	
WAN Service	Establish and the data and the data and the second s
ETH Interface	Enter information provided to you by your ISP to configure the WAN IP settings. Notice: if "Obtain an IP address automatically" is chosen. DHCP will be enabled for PVC in IPoE mode.
Connection Setting	If "Use the following Static IP address" is chosen, enter the WAN IP address, subnet mask and interface gateway.
LAN	
DHCP Setting	Obtain an IP address automatically
NAT	Use the following Static IP address:
Security	WAN IP Address:
Time Restriction	WAN Subnet Mask:
Quality of Service	WAN gateway IP Address:
Routing	
DNS	Clone Mic
DSL	
UPnP	
Interface Grouping	Back Next
Multicast	
Wireless	
Diagnostics	
Management	
Exit	

Back to wizard

Depending on the information obtained from your service provider, select the appropriate way to obtain an IP address

- Obtain an IP Address automatically automatically obtain an IP address
- Use the following Static IP address Enter the IP addresses necessary to connect.

Click Next to continue..

In the next three windows are shown information about include NAT and firewall, default gateway and DNS servers, in the basic configuration not change them - triple click the **Next** button.

EN

The last step is to confirm input data.

Device Info
Advanced Setup
Connection Mode
WAN Service
ETH Interface
Connection Setting
LAN
DHCP Setting
NAT
Security
Time Restriction
Quality of Service
Routing
DNS
DSL
UPnP
Interface Grouping
Multicast
Wireless
Diagnostics
Management
Exit
Back to wizard

Make sure th	at the settings below match the settings provided by your ISP.
Connection Type:	IPoE
NAT:	Enabled
Full Cone NAT:	Disabled
Firewall:	Enabled

Disabled

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications.

Back Apply/Save

IGMP Multicast:

Click the button Apply / Save to save and return to the first configuration window.





				PE	NTAGR/	AM Ce	rberu	s IP 6	3421	/ IP 63
Device Info										
Advanced Setup	Wide Area Netwo									
Connection Mode										
WAN Service		0								
ETH Interface		Choose	idd, Re	move or Edit to	conligure a v	VAN Servic	e over a se	nected inte	mace.	
Connection Setting	Interface	Description	Tuno	Man9031n	VanMuxId	Iamp	MAT	Growall	Pomovo	Edit
LAN	Incenace	Description	TAbe	Vianouzip	VIGINITUATO	rginp	1041	TH Cwall	Remove	Cuic
DHCP Setting	eth3	ipoe_eth3	IPOE	N/A	N/A	Disabled	Enabled	Enabled		Edit
NAT										
Security										
Time Restriction										
Quality of Service										
Routing	Remove									
DNS										
DSL										
UPnP										
Interface Grouping										
Multicast										
Wireless										
Diagnostics										
Management										
Exit										
Back to wizard										

At this point it is possible to remove or edit the information.

EN

PENTAGRAM Cerberus [P 6342] / [P 6343] Checking connection status

In the left menu select the **Device** \rightarrow **Summary**

Device Info		
Summary	Device Info	
WAN		
Statistics		
Route	The following table shows the current st	atus of system information
ARP		
Advanced Setup	Board ID:	963281TAN
Wireless	Build Timestamp:	110719_0951
Diagnostics	Software Version:	1.0.0
Management	Bootloader (CFE) Version:	1.0.37-106.24
Back to wizard	DSL PHY and Driver Version:	A2pD030n.d23c
	Wireless Driver Version	5 100 96 0 cne4 06I 03 0
	Line Rate - Upstream (Kbps):	0
	Line Rate - Downstream (Khos):	0
	LAN IPv4 Address:	192.168.1.100
	Default Gateway:	
	Primary DNS Server:	0.0.0.0
	Secondary DNS Server:	0.0.0.0
	Date/Time:	Thu Jan 1 00:05:57 1970
	This information reflects the current stat	us of your Wireless.
	Wireless statue:	enable

EN

If the connection is configured correctly in the red frame will be obtained the IP address of the default gateway and DNS server.

SSID: BSSID:

Channel:

PENTAGRAM

Auto

WARNINGI Router configuration is described in detail in the User Guide located on the side of www.pentagram.eu