

**ПРАВИЛА**  
**настройки оборудования D-Link DG-102SH**  
**Для работы с системой tarjo.ru по протоколу H.323**

Технический директор  
ООО «КНБ-Информ» г.Дзержинск  
А.В.Балашов  
[knb@sinn.ru](mailto:knb@sinn.ru)  
(8313) 274020

**1. Требования по версиям прошивки.**

При работе с системой требуется следующая версия прошивки:

```
gddb>show version
PROM Version Label: 0.0B16-G
TSG Version: V1.0 H.323 VoIP Gateway
CM Version Label: TEST-B43
TBD-TBD, H323 Build, 100 Ticks/Sec Clock
2 Voice TCIDS, 0 Data TCIDS
System has FLASH
TIU Continuous Polling (1)
DSP Configuration:
  DSPs          = 1
  Channels per DSP = 2
  HPI Mapping   = 2 (FIFO)
  Clock Mult    = 4
  Fsx Fsr      = 2
Pwr Dn Tmr Period = 5000
Wake Up Int Mask  = 0
HW Companding     = 1
Serial Port Config = 0
Sync Int Config   = 1
Clock Out Config  = 1
Hint Control      = 0x0
BDX Delay Control = 0
HW Gain Control   = 0
PktIsr TS Offset  = 0
Sample Freq (IPP) = 0
Serial Port Type  = 1
Analog Codec Type = 0
Hpi Fifo Size     = 894
```

Данный версии прошивок можно скачать с сайта <ftp.dlink.ru>  
Для подробной информации о процессе обновления прошивок обращайтесь на сайт [www.dlink.ru](http://www.dlink.ru)

## 2. Конфигурирование устройства.

**ВНИМАНИЕ!!!** Для корректной работы устройств по протоколу H.323 необходимо наличие у dg-102sh реального (правого) IP-адреса.

Если устройство подключено к Интернету через NAT, Proxy-сервер или SUA – то устройство работать **НЕ БУДЕТ!!!**

То есть ADSL-модем должен быть настроен в качестве моста (bridge)!

В разделе «Config Device IP Adresss» настраиваем IP-адрес, маску сети и шлюз согласно данным, полученным от вашего провайдера.

## 3. Настройка протокола H.323

Настройки осуществляем согласно этого снимка:

GateKeeper Information	
Mode	Manual
GateKeeper IP Address	212 . 53 . 35 . 244
GateKeeper Identifier	TGK4
Send Keepalive RRQ to GateKeeper	disabled
Keepalive Interval	120 (1 .. 65535 sec)
GK Max Fails	3 (value >= 3)
GK Rsp Timeout	5 (1 .. 10)

H.323 Information	
Display Name	SIP0095762:82633954E
H.323 ID	SIP0095762:82633954E
Terminal Type (0 .. 255)	60
End Point Register Type	gw
Rtp Port Base	30000
Rtp Tos	8 (0 .. 255)
Ras Tos	4 (0 .. 255)
H225 H245 Tos	4 (0 .. 255)
Fast Start	off

**Обратите внимание что у нас указан адрес gatekeeper'а для протокола SIP. Разделитель между login и password «:».**

#### 4. Настройка кодеков.

Выбираем кодеки согласно снимка.

Конечно можно выбирать и другие кодеки, но это будет влиять на качество разговора.

The screenshot shows the web interface for configuring a D-Link DG-102SH device. The browser window is titled "D-Link DG-102SH - Microsoft Internet Explorer" and the address bar shows "http://213.177.115.214/html/Hmain.html". The main content area displays a "Prefer Codec Table" with the following data:

Tcid	Prefer Codec Type
0	G723_63k
1	G723_63k

The left sidebar contains a navigation menu with the following items:

- D-Link DG-102SH
  - Config IP & H.323
    - Config Device IP Address
    - Config H.323
  - Device Information
  - Telephony Configuration
    - System Gains
    - Prefer Codec Table
  - Dial Address Configuration
  - DHCP Configuration
  - NAT Configuration
  - SNMP Trap Configuration
  - Administration Management
  - Monitor
  - Update Firmware
  - Save Changes
  - Factory Reset
  - Restart System

## 5. Настройка DATA Port.

Настраиваем data port согласно этого снимка.

Prefix Strip Dial No.	Destination IP Address	Delete
0	212.53.35.34	Delete
1	212.53.35.34	Delete
2	212.53.35.34	Delete
3	212.53.35.34	Delete
4	212.53.35.34	Delete
5	212.53.35.34	Delete
6	212.53.35.34	Delete
7	212.53.35.34	Delete
8	212.53.35.34	Delete
9	212.53.35.34	Delete
		Add

**ВНИМАНИЕ!!!** Здесь мы используем уже IP-адрес gatekeeper'a для протокола H.323

## 6. Настройка таблицы адресов.

D-Link DG-102SH - Microsoft Internet Explorer

Адрес <http://213.177.115.214/html/Hmain.html>

### ATPM Address Table

Index	Dial No.	HG ID	Min Digits	Max Digits	Prefix Strip Digits	Prefix Insert No.	
1	0	0	1	30	0		Delete
2	1	0	1	30	0		Delete
3	11	1	2	2	0		Delete
4	12	2	2	2	0		Delete
5	2	0	1	30	0		Delete
6	3	0	1	30	0		Delete
7	4	0	1	30	0		Delete
8	5	0	1	30	0		Delete
9	6	0	1	30	0		Delete
10	7	0	1	30	0		Delete
11	8	0	1	30	0		Delete
12	9	0	1	30	0		Delete
							Add

Готово Интернет

## 7. Настройка Destination Table

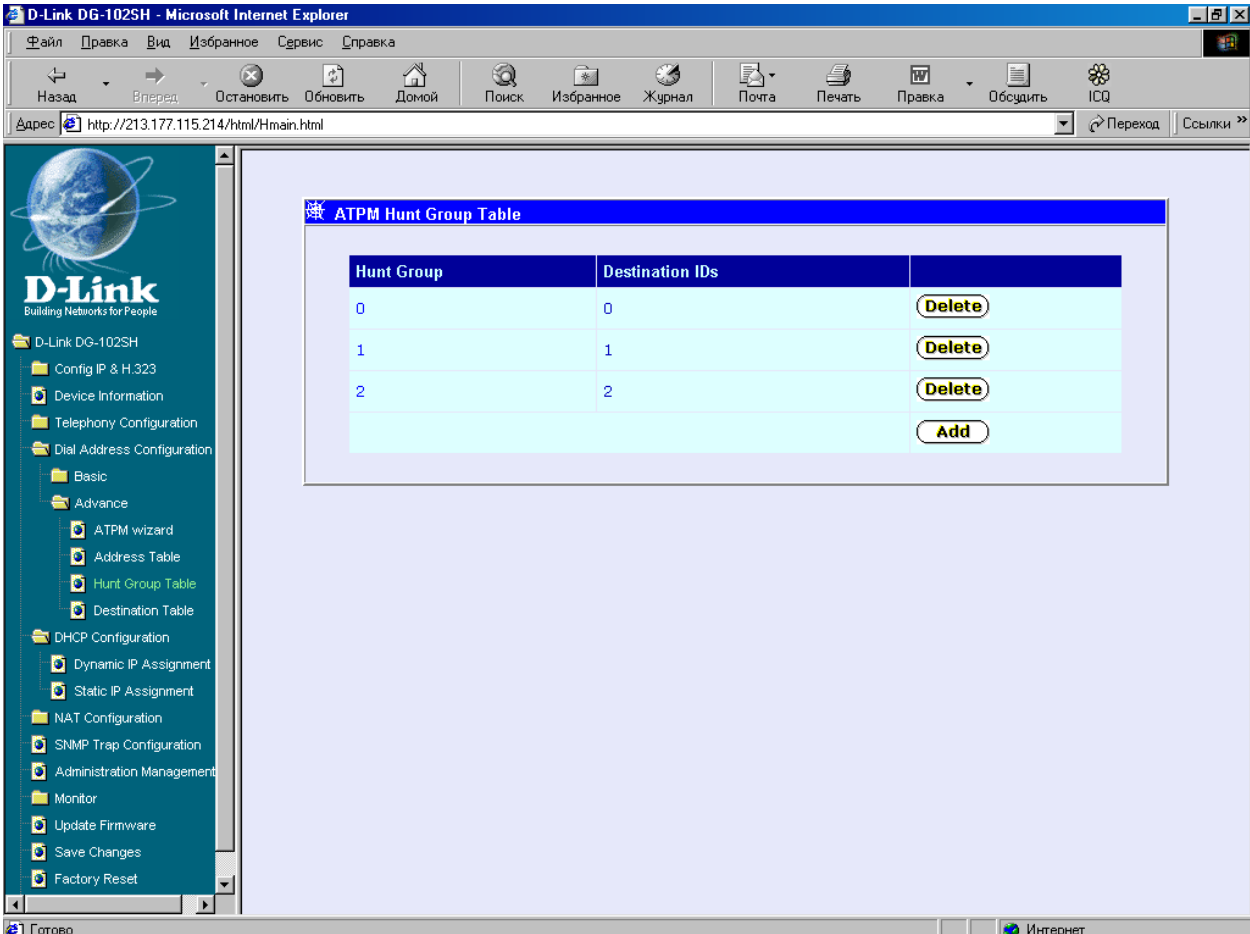
The screenshot shows the web interface of a D-Link DG-102SH router. The browser window title is "D-Link DG-102SH - Microsoft Internet Explorer". The address bar shows "http://213.177.115.214/html/Hmain.html". The left sidebar contains a navigation menu with the following items:

- D-Link DG-102SH
  - Config IP & H.323
  - Device Information
  - Telephony Configuration
  - Dial Address Configuration
    - Basic
    - Advance
      - ATPM wizard
      - Address Table
      - Hunt Group Table
      - Destination Table
  - DHCP Configuration
    - Dynamic IP Assignment
    - Static IP Assignment
  - NAT Configuration
  - SNMP Trap Configuration
  - Administration Management
  - Monitor
  - Update Firmware
  - Save Changes
  - Factory Reset

The main content area displays the "ATPM Destination Table" configuration page. It features a table with the following data:

Destination ID	Mode	Destination	
0	Data	TCP 212.53.35.34 / 1720	Delete
1	Analog	Tcid=0	Delete
2	Analog	Tcid=1	Delete
			Add

## 8. Настройка Hunt Group Table



The screenshot shows the web interface of a D-Link DG-102SH router. The browser window is titled "D-Link DG-102SH - Microsoft Internet Explorer" and the address bar shows "http://213.177.115.214/html/Hmain.html". The left sidebar contains a navigation menu with the following items:

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      - ATPM wizard
      - Address Table
      - Hunt Group Table
      - Destination Table
  - DHCP Configuration
    - Dynamic IP Assignment
    - Static IP Assignment
  - NAT Configuration
  - SNMP Trap Configuration
  - Administration Management
  - Monitor
  - Update Firmware
  - Save Changes
  - Factory Reset

The main content area displays the "ATPM Hunt Group Table" configuration page. It features a table with the following data:

Hunt Group	Destination IDs	
0	0	Delete
1	1	Delete
2	2	Delete
		Add

The status bar at the bottom of the browser window shows "Готово" (Ready) and "Интернет" (Internet).