

ГТЛ-Р004-05-02-Р-0311

FTP Service

USER GUIDE
for FTP- file Service

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Any subscriber of CJSC GlobalTel can create a virtual disc on the Company's FTP-server for storing and exchange of files. This solution has got a number of advantages compared with direct data transfer from one terminal to another.

- 1) The server is located on one of the GWs, which ensures 100 per cent guarantee for integral data delivery to the subscriber's virtual disc.
- 2) The FTP-server is realized on the basis of highly reliable back-up equipment, operating 24 hours a day
- 3) The SW, which realizes the FTP-file service, supports the resumption of interrupted download, i.e. possibility to renew the file transmission if the channel fails, without loss of data.
- 4) In the download regime (data transmission from FTP-server to the subscriber's PC) it is possible to use programme-managers (ReGet, Delux, FlashGet, etc.), which use the multisession file download, on the customer's PC. At that the 20-30% acceleration of file transmission is reached because several ftp-sessions get open.
- 5) If the file is transmitted from one Globalstar subscriber to another, the use of FTP-file service allows to avoid double space hop. (Fig.1), which enhances the channel reliability; there is no need to coordinate the communications sessions in advance either. (Fig. 2)

Fig. 1

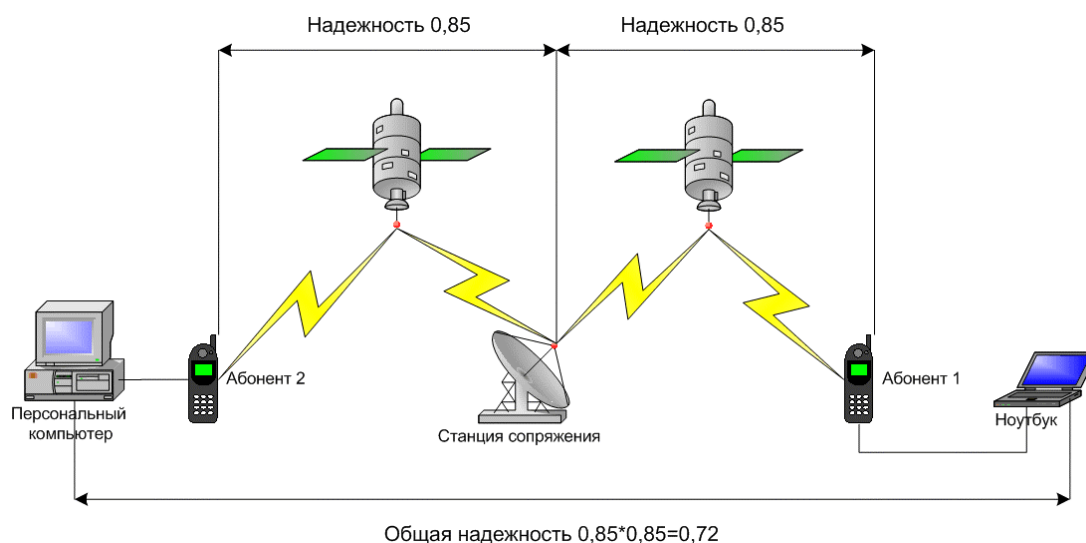
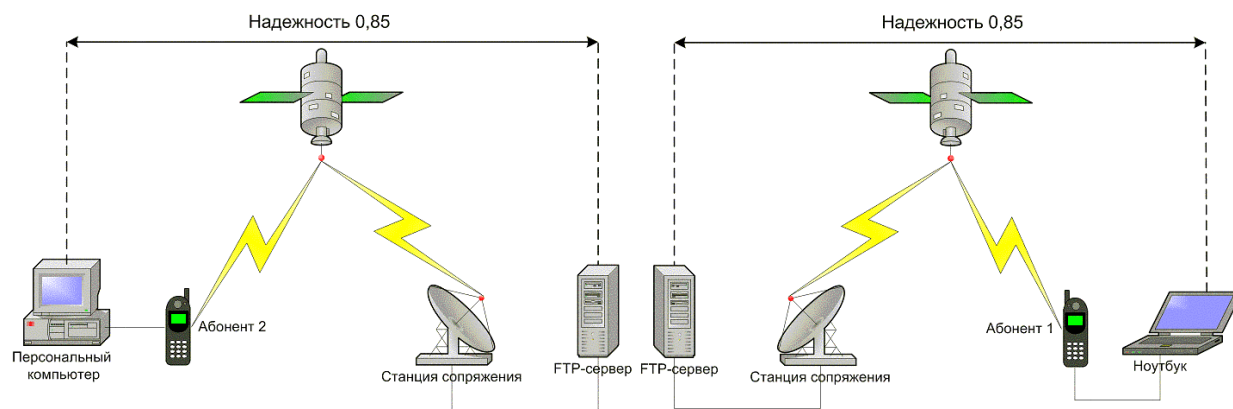


Fig. 2



In order to use the FTP-file service you should forward your request to the Customer-Care Center (CCC) or the Sales Department of CJSC GlobalTel, indicate the password and the file name, which you would like to use.

To retrieve a file from the FTP-server to your computer or vice versa to transfer a file to the FTP-server, it is necessary to establish a modem connection with the “123” number (or “124” if you use the multichannel modem). After that, having executed the **cmd command**, pass to the console regime (it is hereinafter supposed, that on your personal computer the Windows 2000 operational system is installed). Then execute the following commands:

ftp

open ftp.gtels.ru or **open 217.107.46.10**

enter your login (file name) and password (the loaded password symbols are not displayed), if the correct password is entered, you will see the FTP-server greeting;

execute the command **dir**

the list of files and directories on your virtual disk (fig. 3) will be displayed, with indication of date and time of their creation and the size of the file in bites

Fig. 3

```
C:\WINNT\System32\cmd.exe - ftp
Microsoft Windows 2000 [Версия 5.00.2195]
(C) Корпорация Майкрософт, 1985-2000.

C:\>ftp
ftp> open ftp.gtel.ru
Связь с ftp.gtel.ru.
220 GlobalTel FTP Server by G6 FTP Server ready ...
Пользователь (ftp.gtel.ru:(none)): sao
331 Password required for sao.
Password:
230 User sao logged in.
ftp> dir
200 Port command successful.
150 Opening data connection for directory list.
drwxr-xr-x  1 ftp      ftp           0 Dec 15 13:53 DN
drwxr-xr-x  1 ftp      ftp           0 Dec 15 13:52 Dsu
drwxr-xr-x  1 ftp      ftp           0 Dec 15 13:48 ISKRA
-rw-r--r--  1 ftp      ftp      54272 Sep 26 14:24 DataCable2800.doc
-rw-r--r--  1 ftp      ftp    319439 Jun 21 10:16 drwtsn32.log
-rw-r--r--  1 ftp      ftp    638169 Jun 05 09:18 Kbk Ice sculpture15 1_27_0
1.JPG
-rw-r--r--  1 ftp      ftp    593222 Sep 26 14:15 Modem_g.pdf
-rw-r--r--  1 ftp      ftp       548 Jul 03 14:10 PRG__SAT55011042002.TXT
-rw-r--r--  1 ftp      ftp    167021 Aug 08 10:55 Quick.pdf
-rw-r--r--  1 ftp      ftp    465556 Jul 01 15:22 sat601_insieme.jpg
-rw-r--r--  1 ftp      ftp    262144 Oct 30 14:23 t256k
-rw-r--r--  1 ftp      ftp    501177 Nov 15 10:15 test.bz2
-rw-r--r--  1 ftp      ftp    1002354 Nov 06 10:15 test2
-rw-r--r--  1 ftp      ftp    236719 Oct 17 10:05 test231.cab
-rw-r--r--  1 ftp      ftp    236719 Oct 17 10:05 test231_2k.cab
-rw-r--r--  1 ftp      ftp    481445 Oct 17 10:16 test470.rar
-rw-r--r--  1 ftp      ftp    481445 Oct 17 10:15 test470_2k.rar
-rw-r--r--  1 ftp      ftp     70106 Oct 29 11:36 test68.rar
```

In order to retrieve the file from FTP-server to your PC execute the command:

```
get [name of file]
```

Fig. 4 shows the example of receiving the archived file *test470.rar*.

Fig. 4

```
ftp> get test470.rar
200 Port command successful.
150 Opening data connection for test470.rar (481445 bytes).
226-Disk Quota - Current : 19 Mbytes - Max : 30 Mbytes - Available : 11 Mbytes
226 File sent ok.
ftp: 481445 байт получено за 561,09 (сек) со скоростью 0,86 (КБ/сек).
ftp> _
```

Please pay attention to the message [Disk Quota - Current: 19Mbytes - Max: 30 Mbytes - Available: 11 Mbytes], here it means that the maximum volume of the virtual disk is 3- Mbt, files occupy 11 Mbt, vacant – 11Mbt, the information on the time and data rate are provided as well.

In order to transmit a file to FTP-server from your computer you should execute the following:

```
put [path to file]\[name of file]
```

In Fig. 5 you can see the example of file transmission in Adobe Acrobat - *ftp_sent.pdf*.

Fig. 5

```
ftp> ?
Допускается сокращение команд при вводе. Набор команд:
?          delete          literal          prompt          send
?          debug           ls              put             status
append     dir              mdelete        pwd            trace
ascii     disconnect      mdir           quit           type
bell      get             nget          quote         user
binary    glob            mkdir         recv          verbose
bye       hash           mls           remotehelp
cd        help           mput         rename
close     lcd            open         rmdir
ftp> hash
Вывод метки хеширования Вклftp: (2048 байт/хеш-метка).
ftp> put ftp_sent.pdf
200 Port command successful.
150 Opening data connection for ftp_sent.PDF.
#####
##
226-Disk Quota - Current : 19 Mbytes - Max : 30 Mbytes - Available : 11 Mbytes
226 File received ok.
ftp: 168866 байт отправлено за 151,69 (сек) со скоростью 1,11 (КБ/сек).
ftp> _
```

In this Figure the list of all ftp commands is shown, the detailed information on them can be found in the Help Wizard in Windows. In this example the command **hash** has been entered to demonstrate the process of the file transfer:

!!!Technical details!!!

You can find the information on the communications session in the **Connection Properties** (Fig. 6-7) The IP address, which you are assigned for the connection period, is indicated there too.

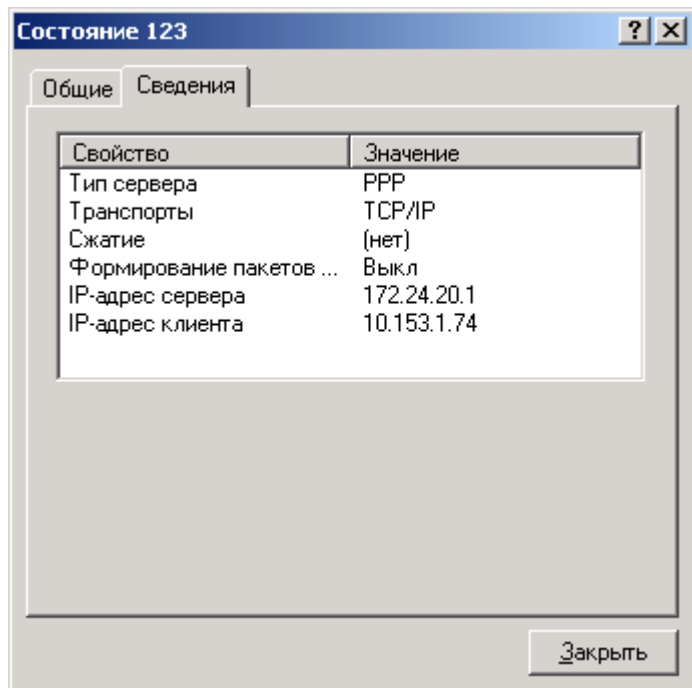


Fig. 6.

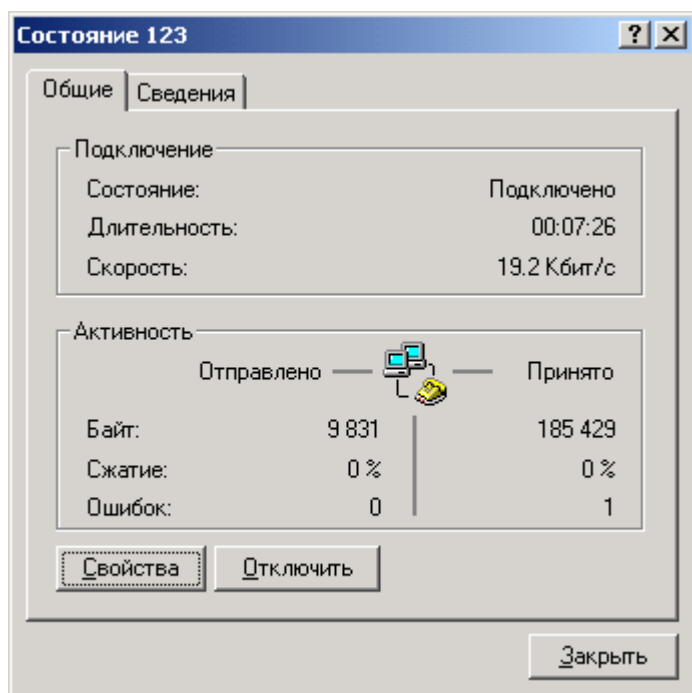


Fig. 7.

Though files transmission in FTP protocol can be conducted by means of the built - in facilities of the Windows 2000, we **strongly recommend** to use specialized FTP clients where modes of resumption of interrupted download and multisessional loading, such as CuteFTP, FlashGET, ReGet Delux are

realized:.. For help in installation and adjustment of these programs please address your company's IT department or the technical support of the second level of CJSC GlobalTel.

The list of subscribers equipment, which supports asynchronous data services with firmware versions

№	Company	Firmware release
1	Qualcomm GSP1620x1	5.2.0.3.4 or later
2	Qualcomm GSP2800	5.2.0.4.01 or later
3	Qualcomm GSP1600	5.3.1.1.0 or later
4	Qualcomm GSP1620x2	5.2.0.3.4 or later
5	Telit SAT 550 с кабелем для передачи данных DT-550	5.3.1.P or later
6	Telit SAT 600	No information
7	Qualcomm GSP2800M	5.2.0.4.0A or later
8	Telit SAT 551 with data cable	5.3.1.P or later
9	Telit SAT 550X with data cable	5.3.1P or later
10	Qualcomm GSP1620x4 and x8	5.2.0.3.4 or later