

Every IRC client sends a „PING“ command to the IRC server every 30 seconds. The IRC server has to respond to this command with a „PONG“ answer. If this „PONG“ is not received within 30 seconds, the client closes the connection and tries to connect to the server again. If the client changes its IP address this „PING-PONG“ communication fails and results in a new connection to the IRC server within 1 minute.

```
IRC channel (monitored with client software „irssi“)
12:24 <@s-srv1> 2010-05-22 10:24:01 DL1XXX__ DB0XYZ_B (from: d-srv1)
12:31 <@s-srv1> 2010-05-22 10:31:29 DL2XXX__ DB0XYZ_B (from: d-srv1)
12:36 <@s-srv1> 2010-05-22 10:36:31 DK0XYZ__ DB0XYZ_B (from: d-srv1)
12:45 -!- te0st-4 [te0st@80.116.64.236] has joined #dstar
12:46 -!- te0st-3 [te0st@80.116.124.47] has quit [Ping timeout: 121 seconds]
12:49 <@s-srv1> 2010-05-22 10:48:58 DL3XXX__ DB0ZYX_B (from: d-srv1)
[13:00] [@u-dl1bff(+i)] [5:#dstar(+mnt)]
[#dstar]
```

The IRC server also sends „PING“ commands. After 2 minutes, the server closes the old connection.

```
12:45 -!- te0st-4 [te0st@80.116.64.236] has joined #dstar
```

IRC channel nickname is converted to capital letters

the „host“ part of the IRC server login message is the IP address of the repeater

```
update sync_gip set zonerp_ipaddr='80.116.64.236' where zonerp_cs='TE0ST'
```

existing table: sync_gip

zonerp_cs	last_mod_time	..	..	zonerp_ipaddr	..
SZ1XX	2009-12-08 15:06:09	..	..	91.238.227.120	..
TE0ST	2010-05-01 10:24:01	..	..	80.116.64.236	..
VA2RXX	2009-11-11 17:40:27	..	..	74.215.0.34	..

