

DRing

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REVISION HISTORY

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Chapter 1

DRing

1.1 Distinctive Ring for TrapDoor

DRing V1.3

Description

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1.2 Description

This program will sit and listen to TrapDoor's output ARexx port waiting for a suitable RING type response from the modem. If the correct requirements are satisfied, it will tell TrapDoor to answer the call.

It will output CLI information from Trapdoor if you have a suitable modem (as long as CLI is on).

Your modem will need to have distinctive ring capability, and your phone company will have to supply you with that service.

1.3 Using Dring

DRing is a very simple program which sits on its own without any other configuration files (ATM).

It can now be run from either Workbench or the CLI.

It has a couple of command line arguments which you may or may not need to use.

These are:

```
-? (gives a quick usage guide)
-t<Trapdoor's Arexx port>
-p<Sets our port name for TrapDoor>
-s<string to count as ring>
-r<number of rings>
-w<seconds between rings timeout>
-l<logfile path>
-b<blacklist path>
```

e.g.

```
DRing -tTRAPDOOR -pDRING -sRING -r2 -w5 -lPROGDIR:dring.log -bPROGDIR:blacklist
```

or in the icon tooltypes:

```
TDPORT=TRAPDOOR
PORT=DRING
RINGS=2
STRING=RING
TIMEOUT=5
LOGFILE=PROGDIR:dring.log
BLACKLIST=PROGDIR:blacklist
```

Icon tooltypes will also be used as defaults when run from the CLI, if available.

The values shown here also happen to be the defaults.

The log file will

A simple blacklist file has been added. To use this on a number you want to ignore, just add it to the file as it would be displayed by caller id. e.g. 0123-456789.

1.4 Configuration

To use this program with TrapDoor (or another ARExx using program perhaps), you will need to alter the configuration.

First, you will have to enable distinctive ring. My Pace uses the AT-SDR command, where

```
AT-SDR=0 (off)
```

AT-SDR=1-7 Various combinations of ring types.

If you have CLI,

AT#CID=0 turns off CLI information.

AT#CID=1 turns on formatted CLI information. (We use this)

AT#CID=2 turns on raw CLI information.

You will need to consult your modem's manual for more information about the ring types.

Anyway, stick that in Trapdoor's modem init string.

Secondly, you'll need to stop TrapDoor answering the modem. Set RINGS to a big number as it suggests in the Trapdoor manual.

Also, check scripts which set/reset rings (tossing, maintenance etc.) with TrapTell, as this will ruin the operation of this program. Replace calls to TrapTell with an ARexx script like rings.rexx, or point TrapTell at DRing like so:

```
TrapTell -PDRING "rings 5"
```

Then, set TrapDoor's IPC port 'IPCPORT' to our port name (e.g. DRING) and double check the main ARexx port name (or the modem will never be answered...)

1.5 ARexx

The ARexx port is mainly meant for TrapDoor to send its messages, but it has a couple of commands.

These are:

```
RINGS    - set rings before answer (similar to Trapdoor)
STRING   - change ring string (e.g. RING1)
TIMEOUT  - change seconds between rings timeout
QUIT     - quit DRing
```

Trapdoor sends 'STAT' messages which our port uses to detect rings and CLI information. I used these to test the program, but you may find a use for this setting up your timeouts. Otherwise, don't bother with it.

If there are any other sensible commands you would include, please don't hesitate to mail me.

1.6 Contact me

For bugs, improvements etc., contact rich@theforest.demon.co.uk, or call The Forest BBS on +44-1549-402746 (Fido: 2:259/301) for a chat or to download any later versions.

1.7 History

- 19-Mar-1999
Release 1.3 on Aminet after some fixes
- 15-Mar-1999
Added tooltypes and Workbench icon
- 14-Mar-1999
Created small window for DRing
Added a simple numbers blacklist
- 13-Mar-1999
Stuck incoming calls in a window with Caller ID
- 23-Feb-1999
Phantom ring bug fixed. (Buffer overrun) V1.2
- 20-Feb-1999
First public release on Aminet V1.1
- 11-Feb-1999
Initial internal version V1.0

1.8 future

I'll add some CLI interactive things to this program later.
Any other ideas/suggestions will be welcome.

Maybe someone might draw an icon (normal & newicons). The
present one is supposed to be a phone.

1.9 Copyright notice

This program is copyright 1999 R. Smith. This distribution is free
as always. I wouldn't mind an email if you use it though.

1.10 greet

A big hello to Glen Martin, sysop of Gremlins BBS.

HI :) Keep up the good work...

1.11 Index

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