

Frequently Asked Questions

Question

(; N 7 4 ; O > B ? @ 0 2 : 8 SMS = 0 FreeBSD

Answer

@ 8 3 8 = 0 ; ; 5 6 8 B [B C B](#).

< 5 5 <:

A B 0 @ K 9 Siemens M75;

@ > 4 = > 9 (A 5 < Q = > 2 A : 8 9) 4 0 B 0 - : 0 1 5 ; L DCA-510 : = 5 < C;

< 0 H 8 = : C A ? @ 0 2 8 ; L = > 9 > A L N (FreeBSD 7.0)

: A > 7 4 0 B L 0 2 B > < 0 B 8 7 8 @ > 2 0 == C N A 8 A B 5 < C @ 0 A A K ; : 8 SMS

make -C /usr/ports/comms/smstools3 install clean

" 5 ? 5 @ L F 5 ? ; O 5 < B 5 ; 5 D > = . 0 : O ? > = O ; , ? @ > 1 ; 5 < ? @ 8

? > 4 : ; N G 5 = 8 8 4 0 B 0 : 0 1 5 ; O G 5 @ 5 7 > 1 K G = K 9 comm-port = 5

2 > 7 = 8 : 0 5 B , = > 2 4 0 == > 9 A 8 B C 0 F 8 8 : 0 1 5 ; L USB. ' 8 ?

8 A ? > ; L 7 C 5 B A O PL2303, 2 FreeBSD ? > 4 4 5 @ 6 8 2 0 5 B A O. @ > 2 5 @ O 5 <:

~> kldstat -v | grep 'u[pl]*com'

5 A ; 8 = 5 2 8 4 8 < G 5 3 > - B > ? > 4 > 1 = > 3 >:

212 ucom

223 uhub/uplcom

1 5 @ 5 < 1 C 1 5 = 8 A > 1 8 @ 0 5 < O 4 @ > , 4 > 1 0 2 8 2 2 : > = D 8 3 C @ 0 F 8 N

A ; 5 4 C N I 8 5 > ? F 8 8:

device ucom

device uplcom

! 5 7 C A B 0 = > 2 ; 5 == K E < > 4 C ; 5 9 : 0 1 5 ; L B > 6 5 1 C 4 5 B

> ? @ 5 4 5 ; O B A O : 0 : /dev/ugenX, = > @ 0 1 > B 0 B L = 5 1 C 4 5 B.

A ; 8 2 A 5 < > 4 C ; 8 = 0 < 5 A B 5 ? > 4 : ; N G 0 5 < : 0 1 5 ; L 8 A < > B @ 8 <:

~> ls -lah /dev/cuaU*

```
crw-rw---- 1 uucp dialer 0, 69 28 > : B 15:01 /dev/cuaU0
crw-rw---- 1 uucp dialer 0, 70 24 > : B 10:27 /dev/cuaU0.init
crw-rw---- 1 uucp dialer 0, 71 24 > : B 10:27 /dev/cuaU0.lock
```

```
015;L C 2845;8, <>6=> ?>4::NG 0 B L B 5;5 D >= 8
? @ 8 A B C ? 0 B L : = 0 A B @ > 9:5 SMS- H; N 7 0.
0 A B @ 0 8 2 0 5 < SMS Tools, D 0 9; /usr/local/etc/smsd.conf
```

```
# 3 ; > 1 0 ; L = K 5 = 0 A B @ > 9 : 8
# ...
# ...
# [ < > 4 5 < 1 ]
# ...
# [ < > 4 5 < 2 ]
# ...
# [ < > 4 5 < 3 ]
# ...
```

```
# 8 A ? > ; L 7 C 5 < K 5 C A B @ > 9 A B 2 0, 5 A ; 8
= 5 A : > ; L : > ? 8 H 5 < G 5 @ 5 7 7 0 ? O B C N
devices = GSM0
# ; > 3, 5 A ; 8 = 5 C : 0 7 0 = ? 8 H 5 B A O 2 syslog,
5 A ; 8 = 1, ? 8 H 5 B 2 stdout
logfile = /var/log/smsd.log
# ? 8 A 0 B L D A Q
loglevel = 7
```

```
# No comments, O = 0 4 5 N A L ;)
USER = uucp
GROUP = dialer
```

```
# No comments too , 3 ; 0 2 = > 5 = 5 7 0 1 K B L A > 7 4 0 B L
# /var/run/smsd/ 8 4 0 B L 2 A 5 ? @ 0 2 0 N 7 5 @ C smsd
PIDFILE= /var/run/smsd/smsd.pid
INFOFILE= /var/run/smsd/smsd.working
```

```
# " 5 ? 5 @ L = 0 A B @ 0 8 2 0 5 < 2 A 5 B 5 ; 5 D > = K,
! - < > < 5 4 K 8 ? @. H 5 ; 5 7 0 : 8
# Siemens M75
[GSM0]
# ? > @ B
device = /dev/cuaU0
# A : > @ > A B L 2 = 5 <
baudrate = 115200
# 0 ? ? 0 @ 0 B = > 5 C ? @ 0 2 ; 5 = 8 5 ? > B > : > <
```

```
rtscts = no
# A B @ > : 0 8 = 8 F 8 0 ; 8 7 0 F 8 8 ( 2 7 0 ; A A 0 9 B 0
? @ > 3 @ 0 < < K),
# ? > 4 @ > 1 = 0 0 A ? @ 0 2 : 0 ? > : > < 0 = 4 0 < 2
? @ 8 ; > 6 5 = 8 0 E
init = AT+CPMS="ME","ME","ME"
init2 = AT+CNMI=1,1,0,2
# ? @ 8 > @ 8 B 5 B 2 E > 4 0 I 8 E A > > 1 I 5 = 8 9
incoming = high
# E > B 8 < > B G 5 B > 4 > A B 0 2 : 5
report = yes
# 7 0 4 5 @ 6 : 0 ? 5 @ 5 4 > B ? @ 0 2 : > 9
send_delay = 20
```

```
~# echo smsd_enable= »YES » >> /etc/rc.conf
~# /usr/local/etc/rc.d/smsd start
```

A <> B @ 8 <

```
~> ps ax | grep smsd
16711 ?? Ss 0:00,00 /usr/local/bin/smsd
16712 ?? S 0:00,01 /usr/local/bin/smsd

~> tail -f /var/log/smsd.log
Oct 28 16:39:40 msggate smsd: Smsd v3.1.3 started.
Oct 28 16:39:40 msggate smsd: Running as smsd:dialer.
Oct 28 16:39:40 msggate smsd: File mode creation mask: 022 (0644,
rw-r--r--).
Oct 28 16:39:40 msggate smsd: Outgoing file checker has started. PID:
16711.
Oct 28 16:39:40 msggate GSM0: GSM0: Modem handler 0 has started. PID:
16712.
Oct 28 16:39:40 msggate GSM0: GSM0: Checking device for incoming SMS
Oct 28 16:39:40 msggate GSM0: GSM0: Checking if modem is ready
Oct 28 16:39:40 msggate GSM0: GSM0: -> AT^M
Oct 28 16:39:40 msggate GSM0: GSM0: Command is sent, waiting for the
answer
Oct 28 16:39:40 msggate GSM0: GSM0: <- OK
Oct 28 16:39:40 msggate GSM0: GSM0: Pre-initializing modem
```

A 5 7 0 2 5 ; > A L , : > < < 5 = B 8 @ C 5 < 2 : > = D 8 3 5 'logfile', A B 0 2 8 < loglevel = 5

(5 A ; 8 = 0 4 > , ? > A ; 5 G S M 0 G 5 @ 5 7 7 0 ? O B C N ? 5 @ 5 G 8 A ; O 5 < 2 A 5
= 0 7 2 0 = 8 O < > 4 5 < > 2 8 7 smsd.conf)
2 /etc/newsyslog.conf 4 > 1 0 2 ; O 5 < :

/var/log/smsd.log **smsd:dialer** **644** **7** **100** ***** **JC**

" 5 ? 5 @ L A 0 < > 5 2 : C A = > 5 > B ? @ 0 2 ; O B L M A M < M A : 8.
8 G 5 3 > A ; > 6 = > 3 > , ? @ > F 5 A A > B ? @ 0 2 : 8 ? > E > 6 = 0 ? @ > F 5 A A
? 5 G 0 B 8 , 2 /var/spool/sms/ 5 A B L B @ 8 : 0 B 0 ; > 3 0:
checked, incoming, outgoing. : 0 B 0 ; > 3 outgoing : 8 4 0 N B A O D 0 9 ; K 4 ; O > B ? @ 0 2 : 8 , ? >
D > @ < 0 B C > G 5 = L ? > E > 6 8 5 = 0 M I M E : A = 0 G 0 ; 0 7 0 3 > ; > 2 : 8 ,
? > B > < , G 5 @ 5 7 ? C A B C N A B @ > : C , B 5 ; > A > > 1 1 5 = 8 O . > 4 @ > 1 = 5 5
D > @ < 0 B > ? 8 H C = 8 6 5 . ? 0 : 5 B 2 E > 4 8 B C B 8 ; 8 B 0 sendsms , = 0 4 >
4 > 1 0 2 8 B L ? > ; L 7 > 2 0 B 5 ; O , > B : > B > @ > 3 > 1 C 4 C B
> B ? @ 0 2 ; O B L A O sms 2 3 @ C ? ? C smsd . 0 B 5 < ? @ > 1 C 5 < :

sendsms 79xxxxxxxxx 'Hello! How are You?'

(> 1 @ 0 B 8 B 5 2 = 8 < 0 = 8 5 , = > < 5 @ 0 2 2 > 4 O B A O 2 < 5 6 4 C = 0 @ > 4 = > <
D > @ < 0 B 5 = > 1 5 7 7 = 0 : 0 « + »)
, > ' C 4 > ! , G 5 @ 5 7 = 5 A : > ; L : > A 5 : C = 4 ? @ 8 4 5 B 6 5 ; 0 = = 0 O S M S . >
< K @ 0 = > @ 0 4 C 5 < A O . 0 2 8 ; > = = 0 A 6 4 5 B ! B > G = 5 5 > B ? @ 0 2 : 0
S M S : 8 @ 8 ; ; 8 F 5 9 . @ 8 2 K G = > 1 5 @ 5 < 1 C 1 5 = , = 0 ? 8 ; L = 8 ; , 8
4 > ? 8 ; 8 2 0 5 < " 4 > ? @ 8 4 0 = 8 O = C 6 = > 9 D > @ < K " . S M S T o o l s C < 5 5 B
> 1 @ 0 1 0 B K 2 0 B L A > 1 K B 8 O ? @ 8 ? > < > 1 8 2 = 5 H = 8 E ? @ > 3 @ 0 < < ,
8 A ? > ; L 7 C 5 < M B C 2 > 7 < > 6 = > A B L 8 = 0 @ 8 A C 5 < A : @ 8 ? B
? @ > 2 5 @ : 8 A > > 1 1 5 = 8 O ? 5 @ 5 4 > B ? @ 0 2 : > 9 (7 0 ? @ > B > B 8 ? 1 K ;
2 7 O B unicode2sms , 2 A 5 A : @ 8 ? B K ? 0 : 5 B 0 < > 6 = > = 0 9 B 8 2 /usr/local/share/smsdtools):

#!/bin/sh

checkhandler for SMS Tools 3
autoconverts cyrillic messages to UCS-2BE
add checkhandler=/path/to/ucsautoconvert into global part of smsd.conf
written by lexy (lexy@mrlexy.ru), 2008

FILE=`mktemp /tmp/smsd_XXXXXX`

if [! `grep '[- / 0- O]' \$1 > /dev/null` -o `grep 'Alphabet:s*U' \$1 > /dev/null`]
 then exit 0

fi

```
cat $1 | awk '{if(NF==0) {s=1} if(s==0 && NF>0 && $0!~/Alphabet:[
t]*U/){print}}' > $FILE
echo Alphabet: Unicode >> $FILE
cat $1 | awk '{if(NF==0) {s=1} if(s==1){print}}' | iconv -t UCS-2BE >>
$FILE
```

```
mv $FILE $1
chmod 664 $1
```

4>102;05<2 smsd.conf, 2>A=>2=CN G0ABL(4>>?8A0=8O
<>45<>2):

checkhandler=/path/to/ucsautoconvert

?5@570?CA:05<smsd:

#~ /usr/local/etc/rc.d/smsd restart

?@>1C5<:sendsms79xxxxxxxx' @825B! K?>1548;8 028;>=?'
645<...645<... B5;5D>=G8: ;N<<<<!!! !<>B@8<... ;8;CO!
@><5B>3><>6=>4>1028BL?>445@6:C>1@01>B:88
4@C38E A>1KB89(SENT, RECEIVED, FAILED, REPORT, CALL), 15;K98G5@=K9
A?8A>:.
0MB>>B25G0NB?0@0<5B@K:>=D83C@0F88:

```
eventhandler = /path/to/handler
whitelist = /path/to/list
blacklist = /path/to/list
```

".: 359B=5?C1;8G=K9, B>G5@=>15;K5A?8A:8O
8A?>;L7>20BL=5AB0;, 02>B>1@01>BG8: A>1KB89=0?8A0;.
K<>65B553>=09B82?@8;>65=8OE. -B>perl-A:@8?B,
4>AB0B>G=>>B:><5==B8@>20==K9, GB>1?>4>3=0BL53>
?>4A2>8=C64K.

"5?5@L2:@0BF5?@>D>@<0BD09;0A>>1I5=89,1>;55
?>;=K92>;L=K98A>:@0I5==K9?5@52>44>:C<5=B0F88
<>6=>=09B82?@8;>65=8OE.

"5:AB>2K5A>>1I5=8O

\$09;SMS-A>>1I5=8O?>E>6=0D09;M;5:B@>==>9?>GBK:
B5:AB>2K9D09;A>AB>OI8987703>;>2:>28A>45@68<>3>
A>>1I5=8O?>A;5?CAB>9AB@>:8.
@>AB>9?@8<5@:

To: 491721234567

Hello, this is the sms.

><5@C:07K205BAO2<564C=0@>4=><D>@<0B5=>157
7=0:0«+».A;8=5>1E>48<>>B?@028BLA>>1I5=85=0
:>@>B:89=><5@,B>?5@54=><5@><=C6=>C:070BL"s".
0AH8@5=K9?@8<5@:

To: 491721234567

Flash: yes

Alphabet: ISO

Hello Stefan, how are you?

:03>;>2:8@538AB@>7028A8<K5.
>6=>4>102;OBLA2>8A>1AB25==K5703>;>2:8.=8
83=>@8@CNBAO?@>3@0<<>9,=>=5C40;ONBAO.>6=>, :
?@8<5@C,?@82O70BL:A>>1I5=8N::NG107K40==KE
4>10282703>;>2>:

X-Db-Id: 777888

>A;5>B?@02:8D09;A>>1I5=8OA>E@0=8BAO2?0?:5
>B?@02;5==KEAMB8<703>;>2:><.

"5?5@L<>O;8G=0O4>102>G:0.'B>1K70?CAB8BLMB>2A5A
<>45<><ZTE180>B18;09=0(>=@07;>G5=,15@5B;N1K5
A8<:8,2>2AO:><A;CG05C<5=O) <>6=>>?CAB8BLG0ABLA
CAB0=>2:>9<>4C;594;O40B0:015;O,<>45<>?@545;O5BAO
D@598157MB>3>.@57C;LB0B5?>;CG05BAO/dev/cuaU0.1,/dev/cuaU0.28
/dev/cuaU0.3C=0AG5B0-MB>C<5=OB0:,C20A<>65B1KBL4@C30O
F8D@0-=><5@CA1.A;8B0:85?>@BK2452?>O28;8AL820H
<>45<2messages>?@545;8;AO:0::

```
kernel: u3g1: <ZTE, Incorporated ZTE WCDMA Technologies MSM, class 0/0,
rev 2.00/0.00, addr 3> on usb4
kernel: u3g1: Found 4 ports.
```

```
7=0G8B2A5=>@<0;L=>. AB0;>ALB>;L:>2smsd.conf
?@>?8A0BL2<5AB>B>3>GB>?8A0=>?@>A8<5=A2
2KH5=0?8A0==><:
```

```
[GSM0]
# ? > @ B
device = /dev/cuaU0.1
incoming = yes
# A : > @ > A B L 2 = 5 <
baudrate = 115200
check_memory_method = 2
# 0 ? ? 0 @ 0 B = > 5 C ? @ 0 2 ; 5 = 8 5 ? > B > : > <
rtscts = no
init = AT+CPMS="ME","ME","ME"
init2 = AT+CFUN=1
```

```
1@0B8B5>A>1>52=8<0=85=070?8ALcheck_memory_method=2! =8BK
270BKAA09B0?@>872>48B5;Osmstools8<5==>4;O40==>3>
<>45<0. ?@>B82=><A;CG05A<A?>;CG8BL=5C40ABAO.
?>4:>=5F,GB>1KMB>2A570@01>B0;>=>@<0;L=>, ?@028<
A:@8?B70?CA:02/usr/local/etc/rc.d/smsdC18@0O87AB@>:8command_args2A5
;8H=55. B>G=5545;05<552>B B0:>9:
```

```
command_args="-c${smsd_config} -p${smsd_pidfile}"
```

```
I5=5?;>E>1K2:>=D8358B><65A:@8?B5?><5=OBL
?>;L7>20B5;O83@C??C=0uucp uucp, MB>1>;55?@028;L=>.
A5,A<A8>B?@02;ONBAO8?>;CG0NBAO.
```

```
"5?5@LGB>:0A05BAO@CA8D8:0F882E>4OI8EA>>1I5=89.
OE>48B52/usr/local/share/smstools8?@028B5B0<D09;eventhandler-utf-8
?@52@0B8253>2>B2B0:>5:
```

```
case "$1" in
    SENT|RECEIVED|FAILED)
        if sed -e '/^$/ q' < "$2" | grep "^Alphabet: UCS2" > /dev/null; then
```

```
    TMPFILE=`mkttemp /tmp/smsd_XXXXXX`  
    sed -e '/^$/ q' < "$2" | sed -e 's/Alphabet: UCS2/Alphabet:  
UTF-8/g' > $TMPFILE  
    sed -e '1,/^$/ d' < "$2" | iconv -f UNICODEBIG -t UTF-8 >>  
$TMPFILE  
    mv $TMPFILE "$2"  
    chmod 644 $2  
fi  
;;  
esac
```

8 4>102;O5B5 2 :>=D83 smsd.conf 2>B B0:>5 2>B:

```
incoming_utf8 = yes  
eventhandler=/usr/local/share/smstools/eventhandler-utf-8
```

Details

Info Wednesday 02 May 2012 - 00:40:50 by
