

GPSRS



GPRS..... What?



- General Packet Radio Service
- Is the growth in GSM towards 3G/UMTS
- Introduced for data connectivity to GSM users
- Can provide upto 171.2Kb/s theoretically and practically around 115Kb/s.

GPRS SERVICES



- **Communications**-E-mail, fax, intranet/ internet access.
- **Value added services** -Information services, games, e-commerce.
- **Location-based applications** -Navigation, traffic conditions, Airline /rail schedule, location finder.
- **Advertising** - restaurant receiving flashes of advertisement etc.



GPRS services through content providers

Wallpapers & Animations

- Polytones
- Truetone
- Video
- Javagames
- Themes



Settings to be configured in the handset

- WAP setting
- Portal setting
- GPRS setting (For browsing with computer)
- MMS setting



GPRS settings & usage

- Step 1: Download the settings (automatic or manual)
- Step 2: Subscribe for GPRS service
- Step 3: Settings for e-mail (incoming, outgoing)
- Step 4: Browse the site & start using the services

Procedure for automatic downloading of the settings

○ Send SMS “ make model “ to 58355.

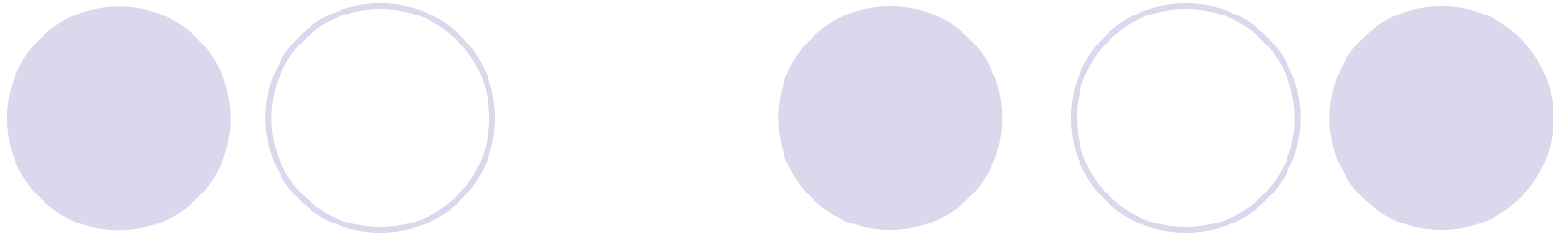
For example, Send SMS

sonyericsson T610

to 58355.

Settings will be downloaded from OTA.

(PIN is 1111)



GPRS activation for Prepaid sub

- Subscriber must send “gprspre” message to 53733
- NO Activation charge.



GPRS activation for Postpaid sub

- For plan 49, Subscriber must send “gprs49” message to 53733.
- For plan 199, Subscriber must send “gprs199” message to 53733.
- For Rent Free plan, Subscriber must send “gprsrfr” message to 53733.
- NO Activation charge.

WAP setting (manual) in the handset

For Motorola & Nortel subscribers

Access Point Name : wapsouth.cellone.in

IP address : 10.31.54.2

Port : 9401/9201

User name : ppp

Password : ppp123

Homepage :

<http://localhost/home.wml>

Portal setting (manual) in the handset

For Motorola and Nortel subscribers

Access Point Name : portalsouth.cellone.in
IP address : 10.31.54.2
Port : 9401/9201
User name : ppp
Password : ppp123
Homepage : <http://wap.cellone.in>

MMS setting (manual) in the handset

For Motorola Number

Access Point Name : mmssouth.cellone.in
IP address : 10.31.54.2
Port : 9401/9201
User name : ppp
Password : ppp123
Homepage : <http://10.31.53.18/mms/>

MMS settings (manual) in the handset



For Nortel number

Access Point Name : mmssouth.cellone.in

IP address : 10.7.236.11

Port Number : 9401/9201

User name : Mobile number

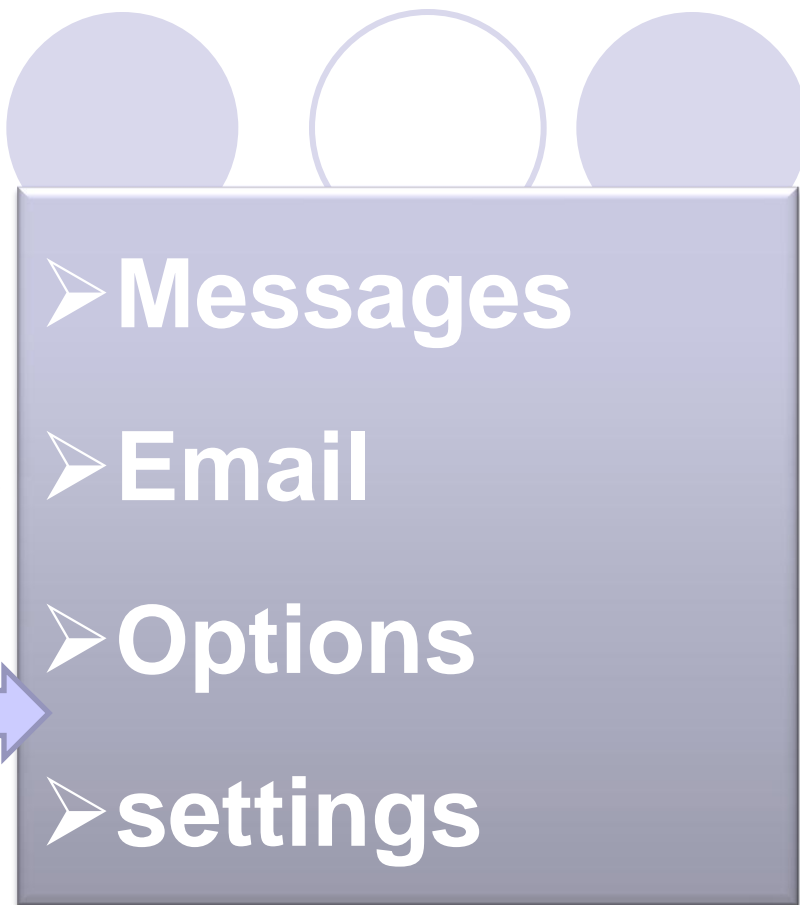
Password : mmsc

Homepage : <http://10.7.236.11:8514>



E-mail SETTINGS IN MOBILE

POP3 & SMTP SETTINGS ON
GPRS



- **Email**
- **Mail Boxes**
- **Options**
- **New Mail Box**



- ❖ **Connection Settings**
- ❖ **User settings**
- ❖ **Retrieval settings**
- ❖ **Automatic retrieval settings**

- **Connection Settings**
- **User settings**
- **Retrieval settings**
- **Automatic retrieval settings**

In coming Email
Out Going Email

The diagram consists of a large purple rounded rectangle on the left containing a bulleted list of settings. A blue arrow points from the top of the 'Connection Settings' item to a smaller purple rounded rectangle on the right. This smaller rectangle contains the text 'In coming Email' and 'Out Going Email' stacked vertically. The background features faint purple circles and lines.

In coming Email

User name :XXXXXX @ bsnl.co.in
Password : XXXX
i/c mail box server :mail.bsnl.co.in
Access point in use :bsnl-internet
Mail Box name :Your preferred name
Mail box type :pop3
Security (ports) : Off
Port :Default
Apop Secure : off

Out Going Email

My email address	:abcd @bsnl.co.in
User name	:***** @ bsnl.co.in
Password	: *****
O/G mail server	:smtp.bsnl.co.in
Access point in use	:bsnl-internet
Mail Box name	:Your preferred name
Mail box type	:pop3
Security (ports)	: Off
Port	:Default

Retrieval settings

Define the periodicity of to connect
POP3

NOTE:

More frequency increases
More MB

Battery back up

Retrieval settings



```
graph TD; A[Retrieval settings] --> B[Volume of data want to retrieve]; B --> C[Only Headers or Complete Attachment]; C --> D[Limit for volume of data (MB to GB)];
```

Volume of data want to retrieve

Only Headers or Complete Attachment

Limit for volume of data (MB to GB)

Automatic Retrieval settings linked with volume of data

Automatic
Retrieval
settings

Once in a
week

Once in a
day

Once in a
Hr.

Once in
30 mins

PLAN 49 (option I)

- Monthly Rental Rs. 49/- only.
- 5 Mb Downloading free
- 3 paise per 10Kb beyond free downloading.
- 5 paise per 10Kb on roaming

PLAN 199 (option II)



- Monthly rental Rs.199/- for GPRS only.
- Free downloading unlimited while browsing internet.
- 5 paise per 10Kb on roaming

PLAN RF (option III)



- W.E.F 01-07-2007
- No Monthly rental. No free usage
- Downloading charge is 2 paise per Kb
- 5paise per 10Kb on roaming



Charging for the prepaid sub

- No free usage
- 3 paise per 10Kb downloading while browsing internet.
- 5 paise per Kb on roaming



FAQ on GPRS

1. Why at all GPRS is needed in mobile?

In GSM, we can get data upto 9.6kb/s only which is not all sufficient to meet any customer's requirement. Where as in GPRS we get around 115kb/s data by which many new services like internet browsing and games are possible

2. What is the maximum speed possible in GPRS?

We can get upto 171.2kb/s (with higher level coding) but in practical we get upto the speed of 115kb/s

FAQ on GPRS



3. Whether the billing for GPRS is similar to GSM billing?

No, the billing in GSM is circuit based whereas GPRS data is billed on volume basis

4. Is there any special SIM for GPRS facility?

No, the same GSM SIM is sufficient to provide GPRS connectivity

FAQ on GPRS



5. Whether it is possible to browse from my laptop using mobile connection?

Browsing of Internet from Laptops and Desktop computers is possible by connecting the computer with the GPRS enabled mobile handset through a data cable or Infrared connectivity.

6. For e-mail browsing in my mobile, whether I need a new account?

They can use the same e-mail accounts as is being done through landline Internet access.