

# Carrier Grade Softswitch & Billing Platform



# REVE Systems

[www.revesoft.com](http://www.revesoft.com)

REVE Systems started in 2003 with a focused approach to serve IP-based communication industry. The company has a wide assortment of products ranging from backbone infrastructure to client side applications, including middleware. Today, REVE Systems holds leadership position in the IP telephony Industry.

An ISO 9001:2000 certified telecommunication & software solutions provider, REVE Systems ensures best returns on technology investments and strengthens the service providers' market presence by providing them with the best-in-class VoIP solutions. The company has a large pool of engineers with experience of working on varied environments and cross-vendor platforms. This enables REVE to offer 24x7 Platinum Service to all clients and to make sure that their services are always available to their end customers.

REVE Systems is a Symbian foundation member, part of the iPhone developer community and Nokia developer forum. These offer REVE first-hand access to industry developments and help introduce new products at right time.

Headquartered in Singapore, REVE has its development centre in Bangladesh & India and branch office in UK.

The company presently services customers in over 65 countries, where more than 1450 VoIP and telecommunication service providers have placed their trust on REVE.

**Serving  
1450 Service  
Providers across  
65 countries**

## REVE Systems

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iTel  
**switch** plus  
2.0



# iTel<sup>plus</sup> switch 2.0

## Carrier Grade Softswitch with Integrated Billing

iTel Switch Plus is a highly secured and versatile softswitch platform with integrated billing. This has been designed to suit VoIP service providers with retail and wholesale operations, irrespective of their scale of business.

**800 +  
concurrent  
calls in  
standalone  
server**

**20,000  
concurrent  
calls on  
distributed  
architecture**

iTel Switch Plus can be deployed in a single server platform as well in a distributed architecture. Its scalable and redundant architecture makes it suitable for large IP carriers, while its standalone version enables medium to small service providers an easy start of operations.

### Industry's Most Secure Softswitch

Employing multi-layer secured access control.

### Dual-level Protection

IP and password based authentication, thereby making it very secure from hacking attempts.

**Industry's most  
secure softswitch**

# NGN

**Never Go Negative**



**Next generation billing feature which prevents  
user account balance from going negative**

## creating new benchmarks with unmatched features

### **Never Go Negative**

Never Go Negative is a feature that prevents user account balance from going negative. This next generation billing feature is specially designed to prevent loss and maximize profit by keeping an eye on account balance. Hence you can stay positive as the user balance never goes negative.



**Account  
balance never  
goes negative**

### **'N' Level of Resellers Creation**

iTel Switch Plus gives you the flexibility to create 'N' level of resellers. You can also assign different roles and rights to the resellers as per requirement.

### **Single Pin for all Call Origination Devices**

With iTel Switch Plus, your end users can use any single pin for multiple call origination devices like PC Dialer, Mobile Dialer, IP Devices or calling card platform.

### **Supports IVR in Multiple Languages**

iTel Switch Plus supports IVR (Interactive Voice Response) in multiple languages.

### **Runs Behind NAT/Private IP**

In association with iTel Byte Saver, iTel Switch Plus can work behind NAT (network address translation) or private IP.

**Helps  
prevent  
profit  
drain**

**It's EASY!**



**We believe in keeping it simple**

## now with improved user interface

iTel Switch Plus with integrated billing interface is amazingly simple and easy to use.

### **Handle Multiple Softswitches from Single Billing Interface**

Now with improved interface, single billing can be used to handle multiple softswitches.

### **Single Pin for all Call Origination Devices**

iTel Switch Plus allows you to use single pin for all call origination devices like Mobile Dialer, PC Dialer, Calling Card and IP devices. Now one doesn't need to go through the hassle of keeping different pins for different devices.

### **View Live Calls Without the Need of Server Login**

With iTel Switch Plus you can view your active call reports without the need of server login, thereby making it very user friendly for switch owners.

### **Multiple Routing Options to Choose from**

iTel Switch Plus has adaptive routing feature that means if any route is offline, it is detected prior to routing a call and hence calls are not sent over that route. This feature makes call handling very efficient.

**Single pin for all call origination devices**

**View live calls without the need of server login**

## **Suggested server specifications for iTel Switch Plus**

Operating System: Red Hat Enterprise Linux

Processor - Intel Quad Core Xeon, 2.8 Ghz +

RAM - 8 GB

Hard Disk - 140 GB +

Cache Size - 8 MB

**Reseller  
friendly User  
Interface**

iTel  
**switch** plus 2.0

**Quick and easy migration from other softswitches**



## easy migration from your existing softswitch

We have tools available to ensure that when you migrate from your existing softswitch to iTel Switch Plus, there is minimum downtime to your service and that your clients are not inconvenienced. Resultantly, our easy migration tools ensure that you are able to migrate from your current softswitch to iTel Switch Plus, along with your real time database, in a matter of few hours, thereby ensuring that nothing changes for your clients and there is minimum downtime.

**Are you using any other softswitch?**

**Migrate to iTel Switch Plus in just few hours**

### **Migration Procedure from Existing Softswitch to iTel Switch Plus**

- Softswitch owner provides access of the existing softswitch database to REVE and migration process is initiated
- Our engineers match the old database with iTel Switch Plus database and install the converter application in client's database
- Existing database is processed through the data migration application and converted into the format of iTel Switch Plus database
- Once the migration is complete, you migrate from your existing softswitch with full details of customer pins, reseller details and pin balances

This ensures that your customers face no changeover hassles and their usage experience of your service remains unchanged.

**Easy migration with REVE's migration tools**



**Mobile Top Up and voice calls from same pin**

## now offer mobile top up facility to all your clients from the same pin

Mobile Top Up is a feature in iTel Switch Plus 2.0, which allows your customers to recharge any mobile phone, anywhere in the world using the same pin which they use for voice calls. This facility empowers your customers with the ability of mobile commerce from their VoIP account.

### Recharging a Mobile Number using MTU

- Log in to your iTel Switch Plus control panel and click on 'Request a Top Up' link and then on 'Top Up' link available under 'Mobile Top Up'
- You'll be taken to 'Add Top Up' page. Please fill in the required details and click on 'Submit' button
- Confirm again and you are done
- Once the Mobile Top Up is done, the recipient and the softswitch admin are confirmed by an e-mail or an SMS

**Offer mobile recharge facility to any country**

### Facilitating Mobile Top Up across 70+ countries

Server Time: 19-04-2011 12:10:34 GMT

---

Welcome Andrew: Your Balance: 234 USD Status: Active
Home | Logout

---

**Client**

- ▶ Manage Client
- ▶ Manage PIN

**Voice Rate Plan**

- ▶ Rate Plan

**Mobile Top Up**

- ▶ MTU Rate Plan
- ▶ Request a Mobile Top Up
- ▶ MTU Rate Calculator

**Report**

- ▶ Operational Report
- ▶ Finance & Accounts Report
- ▶ Mobile Top Up Report

My Profile | Recharge Client/Reseller | Recharge PIN | Recharge History | Active Call | Call Log | Monitoring Graph | Profit Summary

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**Profit Summary** Client Wise Last 7 Days Report

Report Span Last  24 hours  48 hours  1 week  1 Month  Custom Date Range

Report Type  Client Wise  Destination Wise  Hourly

Activity Type	SL	Client	My Selling Amount	My Buying Cost	Profit
Voice	1	Sazid L2	0.05	0.04	0.01
	2	91786	0.26	0.26	0
	3	91209	0.32	0.32	0
	4	91499	0.48	0.48	0
	5	73375	0.72	0.66	0.07
	6	91175	0.12	0.12	0
	7	ABC838	0.32	0.32	0
	8	ABC743	0.07	0.07	0
	9	ABC246	0.37	0.37	0
	10	ABC880	0.19	0.19	0
	11	ABC193	0.29	0.29	0
	12	ABC025	0.24	0.24	0
	13	ABC746	0.22	0.22	0
<b>Sub Total</b>			<b>3.64</b>	<b>3.57</b>	<b>0.07</b>
Activity Type	SL	Client	My Selling Amount (USD)	My Buying Cost (USD)	My Profit (USD)
MTU	1	77066	0.3	0.27	0.03
<b>Sub Total</b>			<b>0.3</b>	<b>0.27</b>	<b>0.03</b>
<b>Grand Total</b>			<b>3.94</b>	<b>3.83</b>	<b>0.11</b>

### Mobile Recharge Partners

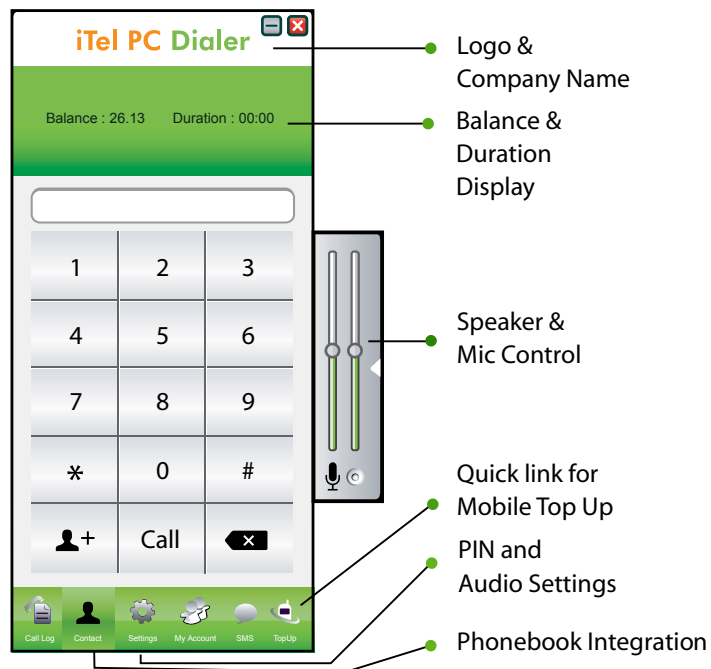


# iTel PC Dialer

## The Best Desktop Client to Make VoIP Calls

iTel PC Dialer is an ideal solution for making VoIP calls from personal computer (PC). It is a software application which can be easily installed on a PC or laptop to make calls over IP networks. iTel PC Dialer is compatible with all standard SIP softswitches. Now users can do more than just calling as iTel PC Dialer supports SMS and Top Up using easy control panel.

Can pass through  
any internet firewall  
in combination with  
iTel Byte Saver



### Important Features

- Look and feel of the dialer can be fully customized according to service providers' choice
- User friendly interface. Easy control of speaker and microphone volumes, quick link for balance recharge
- Can work with any standard SIP softswitch. For example, it works smoothly with Asterisk, VoIP Switch, Digitalk, Nexgen, Porta and iTel Switch Plus, etc.
- Balance display facility
- Dialer can be kept running in background while not in use
- Call log facility for all successful calls
- Phonebook integration
- Supports G729 and G711 codecs
- Efficient echo-cancellation feature
- Comfort noise generation technique for better user experience

Can work  
smoothly with  
any standard  
SIP softswitch

Available in  
your own brand

## Reliable Billing Platform for IP Carriers

Internet telephony is a very competitive business; whether it is wholesale minute exchange or retail calling cards, internet telephony service providers (ITSPs) are facing tough competition every day. This competition has undoubtedly caused a need for a completely secure comprehensive business tool to serve the ITSPs. iTelBilling is a very powerful and flexible software that enables the ITSPs to grow and prosper in this challenging environment by managing their business efficiently. In addition to being powerful and flexible, iTelBilling is intuitive and easy to use.



“We are using iTel Billing platform for many years and we are absolutely delighted with the quality of support. This is critical for our business.”

**Vialtex Prodcom  
SRL, Romania**

### Important Features

**versatile & flexible:** iTelBilling supports all models of Internet Telephony business; retail origination (from calling cards, call shops, devices, PC/mobile dialers), wholesale origination and termination. iTelBilling also provides support to Interactive Voice Response (IVR) in integration with iTel Switch Plus.

**prepaid & postpaid billing:** iTelBilling supports both prepaid and postpaid business models and caters to the needs of operators for maintaining large number of billing plans for their customers.

**retail & reseller recharge:** iTelBilling allows easy recharging of prepaid accounts/pins and updating retail/ wholesale balances of resellers seamlessly.

**secured billing interface:** iTelBilling prevents unauthorized access to the system by providing highly secured platform to operators. Both the access to call control and the users access to the system are highly secured. In addition to password, operators also may specify the IP or a list of IPs from which the operator wants to allow access to the system.

**iTelBilling  
platform is used  
by both Retail  
& Wholesale  
Carriers**

## Secure & easy User Interface

**easy user interface:** iTelBilling has an extremely user-friendly interface; be it collecting Call Detail Records (CDR) for each of your clients; generating invoices; editing/adding of rate plans or adding resellers, they are all possible with minimum clicks. Easy GUI coupled with clear instructions makes it very simple to use.

**monitoring & reports:** Using the monitoring and reporting tools of iTelBilling, service providers can monitor profitability of routes and gateways in real time. One can generate reports by customer, by destination or even by region. This comprehensive monitoring tool helps ITSPs identify the most profitable routes and take business decisions quickly. Apart from this, there are options to generate customised reports.

### Other Key Features

- Flexible rate input system
- `N` level resellers
- Real-time system performance monitoring
- Fault detection monitoring system
- IVR in multiple languages

### Server & system recommendations

**Supported OS:** Windows 95-XP,Vista,Windows 7, Linux/Unix

**Browser:** Internet Explorer 5 or higher, Netscape 6.2 or higher, Mozilla Firefox 1.0, Safari, Google Chrome or any web browser supporting DOM and enabled JavaScript.

**Server:** Quad Xeon Processor, 2.8+ GHz, Memory 4GB, Disk Size 120 GB+

“One of the great features of iTelBilling is the easy user interface. This is very easy to understand for our employees and serves all our requirements.”

**30 Degrees East  
Telecommunication,  
South Africa**

### iTelBilling & switch compatibility list



# iTel byte saver

iTel Byte Saver allows VoIP calls to pass through any firewall or blockage by establishing a tunnel between iTel Mobile Dialer Express/iTel PC Dialer and itself.

It also reduces bandwidth consumption by more than 50% at the origination end, making it ideal for those mobile networks where bandwidth availability is low.

iTel Byte Saver prevents one way voice problem by providing NAT support to iTel Mobile Dialer Express and is also able to detect a hung call and drop the same. It also helps end users switch between their mobile data and Wi-Fi connections on a running call, without dropping the call.

## Important Features

- Compatible with any standard IP SIP softswitch
- Supports G.729 codec
- Ability to control RTP packet size according to specific network requirements
- Makes voice smoother by controlling RTP packet size
- Prevents billing disputes by detecting hung call
- Ability to handle 1,000 concurrent calls per server
- Compatible with all versions of iTel Mobile Dialer Express and iTel PC Dialer
- Saves more than 50% bandwidth at the origination end. It can lower bandwidth usage for a live call on G729 codec, to as low as 9.6 Kbps

“ iTel Byte Saver is ideal in low Bandwidth environment. Thanks to iTel. ”



The United Kingdom

“ iTel Byte Saver is the life saver for our business. It is the best tunneling product we ever have seen. ”

sadiatec  
The Perfect Communication

Japan

**Can pass through  
any internet firewall  
while saving 50% +  
bandwidth**



# iTel Platinum Support

[www.itelsupport.com](http://www.itelsupport.com)

24/7  
LIVE CHAT



**Dedicated Support Portal  
for REVE's Customers**

**Support team  
can be reached  
through ticketing,  
live chat,  
e-mail or phone**

In order to provide 24x7 customer support to our global client base, we have a pool of trained engineers working round the clock and a dedicated online portal to facilitate interaction with our customers. Our engineers have vast experience in VoIP domain and are trained on cross-vendor platforms.

Our systems and processes, which are ISO 9001:2000 certified, have been developed to ensure that our clients are always available to their end users.

iTel Support Portal has the following facilities:

- Online trouble ticket system for complaints
- 24x7 Live Chat with our support engineers
- Complete view of history of all support requests
- Automated self-provision tool, which allows customers to change IP/Port and other settings of their software application
- View live reports like concurrent registrations on mobile dialer platform
- Manage customer account information and get product upgrade/new product notifications

*"Customer support of REVE Systems is extra ordinary. They are available round the clock to solve our problems."*

**Acevillia  
Development  
Corporation,  
Kenya**



## Mobile VoIP Product Range



A mobile application which allows consumers to make VoIP calls from their mobile phones



A mobile application which makes using call back services simpler from a mobile phone



A software application which allows you to offer Mobile VoIP solutions on low-end symbian handsets



A mobile application which automates calling card usage from mobile phones

For more details, please visit  
[www.itelmobiledialer.com](http://www.itelmobiledialer.com)

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