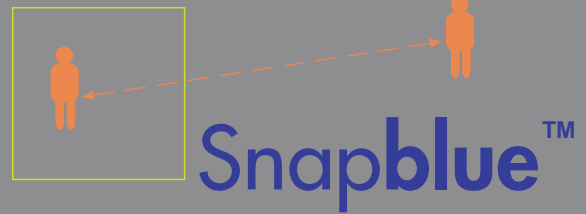


# Secure Calls with Any Mobile Phone



Bluetooth technology is a ubiquitous technology, globally available on a myriad of wireless devices. Bluetooth technology offers a broad range of voice and data connectivity options regardless of the device or network operator. According to Gartner, 140 million Bluetooth enabled mobile phones were sold in 2005.

By 2009 approximately half of all mobile phones sold are expected to include Bluetooth technology.

Given the availability of Bluetooth technology and cost savings using Commercial-off-the-shelf (COTS) wireless devices, users can protect their communications in a cost-effective manner. Snap Defense Systems' (SDS) Snapblue makes it easier to leverage the availability of Bluetooth technology and to communicate securely from virtually anywhere in the world.

## SNAPBLUE

Snapblue is pocket-sized terminal that encrypts communications using military-grade encryption. Its small form factor and ease-of-use provide complete caller discretion. Snapblue utilizes Bluetooth technology for pairing with cellular or satellite communications devices. When the Snapblue terminal is paired with a mobile device the user can establish encrypted voice and text messages through the paired device using AES 256-bit encryption. For example, the user talks into the Snapblue and the encrypted communications flows from the Snapblue through the paired device to the service provider's network. The other party must have a Snapblue terminal or other compatible SDS solution to receive the encrypted communications.

The Snapblue terminal is designed to resemble a commercial-off-the-shelf (COTS) mobile phone without any radio frequency (RF). The Snapblue terminal includes high-speed encryption engines and is equipped with a small LCD, keypad and secure address book. For additional features and management tools users can deploy Snapblue with the SDS enterprise solutions.

## SNAP DEFENSE SYSTEMS (SDS) ENTERPRISE SOLUTIONS

Snapblue can be deployed as part of an enterprise network using SDS enterprise solutions – SnapFense or SnapMesh. All users belonging to the network have added security features as well as increased interoperability with public and/or private networks. Features including multi-party conferencing, telecom firewall, remote management, secure voice mail access and advanced key management tools are available as part of the SnapFense or SnapMesh solution. Other capabilities include enhanced central administration of all deployed devices including Snaptrunk, Snapblue, Snapsoft, Snapcell or Snapfone.

## KEY BENEFITS

- Military-grade security (FIPS 140-2 level 2)
- Transparent and seamless user experience
- Supports CDMA and GSM Networks
- Efficient encryption algorithms
- Minimal impact on battery performance
- Compatible with other Snap Defense crypto products
- Used on a standalone basis, or as part of managed secured network solution
- Secure address book
- Pairs with virtual any Bluetooth mobile device
- Separation of secure communications and secure address book from conventional calls
- Remote update and maintenance (optional)
- Advanced management features



## SNAPBLUE™ FEATURES

- VOICE AND DATA SECURITY (SMS, CHAT)
- AUTHENTICATION AND ACCESS CONTROL CAPABILITIES
- AUDIO AND VISUAL NOTIFICATION OF SECURITY LEVEL
- EXTERNAL KEY MANAGEMENT TOOL (OPTIONAL)
- MULTI-USER GROUP AUTHENTICATION
- DTMF OVER SECURE CHANNEL
- PAIRS TO VIRTUALLY ALL BLUETOOTH ENABLED WIRELESS DEVICES

## TECHNICAL SPECIFICATIONS

Media Encryption	AES 256 bit key
Key agreement algorithm	Diffie-Hellman 1024/2048 bit key Elliptic Curve Diffie-Hellman using the NIST curves P-256, P-384 and P-521
Voice Compression	G.723.1 6.4 Kbps
Data Rate (Host to/From device)	88 Kbps
Bluetooth (BT) Profile	Dial Up Network (DUN)
Host connection	USB with special accessory
Dimensions	92 mm X 41 mm X 17.5 mm
Weight	59 g
Temperatures (Indoors)	Operation: 0°C to +60°C; Storage: -20°C to +70°C;
Devices Supported	Any device with BT DUN profile
LCD	Monochrome graphic display
Ringer	Ringtones and Vibrate
Secure Phone Book	Up to 100 secure contacts
Standards	Safety: FCC/CE Radio: FCC/CE Security: FIPS 140-2

### SNAP DEFENSE SYSTEMS, LLC

1900 Campus Commons Drive  
Suite 100 Reston, VA 20191 USA  
Tel: +1-703-766-6540

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