

For the System Performance Engineer



System Performance Engineers monitor the performance of the wireless networks indoors and outdoors with the ZK-SAMp (System Access Monitor - portable). The engineer can perform a drive test then simply take it out of the vehicle and perform a walk-test inside a building or mall.

The new Floor Plan feature allows the engineer to import a bitmap or JPEG image and collect data associated with points or areas of the floor plan. When the walk-test is complete the log data and a picture of the data overlaid on the floor plan can be saved for post-processing.

The ZK-SAMp is lightweight, compact and easy to use. It does not require the Windows operating system or a personal computer. A removable battery is supplied providing approximately 4 hours of continuous operation. Additional batteries can be swapped in to provide all-day operation.

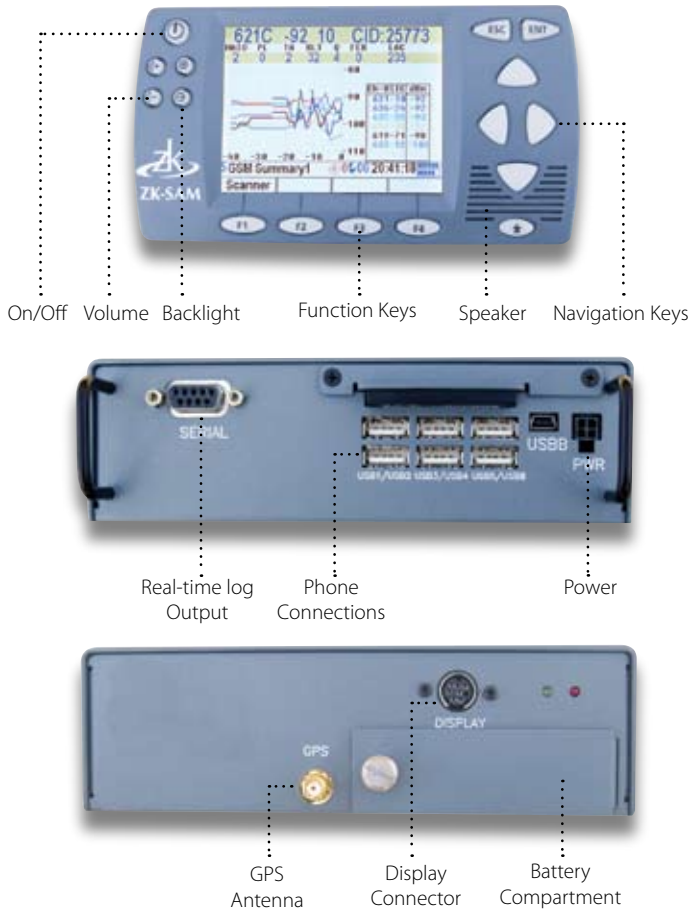
The ZK-SAMp is an extremely rugged piece of equipment. It has no moving parts and can operate in extremely cold as well as hot, humid environments. ZK engineers specifically select industrial grade components. We don't cut corners when it comes to reliability. All new designs are environmentally stress tested for shock and vibration at a certified laboratory.

The ZK-SAMp is a versatile tool that can be used to troubleshoot, monitor, design, optimize and benchmark wireless networks.



ZK-SAMp

Indoor Measurements and Benchmarking



Up to five (5) phones can be connected to the ZK-SAMp and simultaneously display and log data on any of the supported technologies. Engineers can benchmark their system against the other Operators in the market on a daily or weekly basis.

Your choice of phone-based scanners allows the capability you need at the price point you desire. Phone-based scanners can be used to identify coverage holes, missing neighbors, interferers and pilot polluters as well as providing data to perform system retunes or for use in propagation models.

Audible alerts and Replay can be used to indicate problems and troubleshoot them in the field. Thresholds can be configured by the user to indicate an alert. A voice announcement can be turned on or off for each alert. Replay can be used to provide a safe and quick method of troubleshooting network issues in the field.

Data is logged to an industrial grade Compact Flash card. It is stored in standard ASCII text format and can be imported by third party applications as well as ZK's CellMap (MapInfo plug-in), EZ2Map and RMS Server software.



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Features

- Heads-up Color Display
- Removable battery
- Indoor and in-vehicle operation
- Multi-technologies
 - CDMA, GSM, 1xRTT, EvDO,
 - GPRS/EDGE, UMTS/WCDMA,
 - HSDPA, HSUPA, iDEN
- Multiple Phones - up to 5
- Phone-based Scanners
 - GSM/BSIC
 - CDMA PN
- Voice and Data Testing
- Audible Alerts and Replay
- Import 3,000 Cellsite Names
- Integrated GPS Receiver
- Phone Autodial and Control
- Wireless modem for autonomous upload to server
- Compact Flash card for storage
- Log data compatible with:
 - MapInfo (CellMap plug-in)
 - MS MapPoint (EZ2Map)
 - RMS Server
 - Actix Analyser
 - Xceed WindCatcher & Vortex
 - MS Excel
 - Applications supporting ASCII import

Hardware Specifications

Dimensions/Weight:

Controller: 6.5"W X 1.98" X 9.25"D
2lbs 7.6oz
Display: 6.25"W X 3.40"H X 0.83"D
0.42lbs

Portability:

Portable (Charging): 12VDC
+3VDC @2400mA
Battery Time (Portable):
>3 to 5 hours with full backlight

Temperature (operational):

-20C to +60C

Maximum Operational Humidity:

0 to 95% Relative –
Non Condensing

Power Requirements:

12VDC +/- 3VDC @450mA

Vibration:

Tested for continuous high
vibration environments

GPS Receiver:

16 Parallel Channel,
Continuous Tracking
Accuracy: +/- 5 meters
Update Rate: 1 Hz