

# Service Schematics

## Introduction

# NOKIA N97

## RM-505/RM-507

### Important

This document is intended for use by authorized Nokia service centers only.

"Service Schematics" was created with focus on customer care.

The purpose of this document is to provide further technical repair information for Nokia mobile phones on Level 3/4 service activities.

It contains additional information such as e.g. "Component Finder".

The "Signal Overview" page gives a good and fast overview about the most important signals and voltages on board.

Saving process time and improving the repair quality is the aim of this document. It is to be used additionally to the service manual and other training or service information such as Service Bulletin.




### All measurements were made using the following equipment:

Nokia repair kit	• Phoenix 207411000 MB01
Oscilloscope	• FlukeScope 3000
Spectrum Analyzer	• Advantest F3262
Multimeter	• Fluke 175

While every endeavor has been made to ensure the accuracy of this document, some errors may exist. If the reader finds any errors, Nokia shall be notified in writing.

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### A NEW FEATURE FOR ON-LINE USE

We have now linked those measurement points  which are related to the waveform shown on the signal overview page. As example clicking on the measurement point  guides you to the matching oscillogram on the signal overview page. The next click sets the row down signal guides you to the related measurement point on the module. Finally, a third click, now onto the measurement point  on the module takes you back to the starting point inside the schematics.

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# Nokia N97 Manual Update

**Jermaine G. Anderson**



## **Nokia N97 Manual Update:**

**Professional Flash Lite Mobile Development** Jermaine G. Anderson, 2010-07-08 Everything you need to start developing for mobile devices today Adobe Flash Lite allows you to quickly create and publish engaging mobile content for games wallpapers video music or applications With this essential guide you ll discover how to develop applications for Flash enabled mobile devices using ActionScript 2 0 and the latest version of Flash Lite Detailed walkthroughs take you from concept to completion for a variety of examples The author provides an overview on extending Flash Lite capabilities and shows you how to distribute complete applications using the Adobe Distributable Player and Packager Discover how Adobe Flash Lite allows you to quickly create engaging mobile content to Flash enabled mobile devices Demonstrates every step in the development process from concept to completion Reinforces four critical topics throughout the book ActionScript 2 0 mobile device considerations PureMVC framework native device properties and the ability to extend Flash Lite This in depth exploration of Adobe Flash Lite is no lightweight Note CD ROM DVD and other supplementary materials are not included as part of eBook file

**Pervasive Computing** Kent Lyons, Jeffrey Hightower, Elaine M. Huang, 2011-05-27 This book constitutes the refereed proceedings of the 9th International Conference on Pervasive Computing Pervasive 2011 held in San Francisco USA in June 2011 The 19 revised full papers and three short papers presented were carefully reviewed and selected from 93 submissions The contributions are grouped into the following topical sections practices with smartphones sensing at home sensing at work predicting the future location sensing augmenting mobile phone use pervasive computing in the public arena public displays hands on with sensing sensing on the body

*Human-Computer Interaction -- INTERACT 2011* Pedro Campos, Nicholas Graham, Joaquim Jorge, Nuno Nunes, Philippe Palanque, Marco Winckler, 2011-09-01 The four volume set LNCS 6946 6949 constitutes the refereed proceedings of the 13th IFIP TC13 International Conference on Human Computer Interaction INTERACT 2011 held in Lisbon Portugal in September 2011 The 49 papers included in the second volume are organized in topical sections on health human factors interacting in public spaces interacting with displays interaction design for developing regions interface design international and cultural aspect of HCI interruptions and attention mobile interfaces multi modal interfaces multi user interaction cooperation and navigation and wayfinding

**Paid, Owned, Earned** Nick Burcher, 2012-03-03 The complexity of media that now sees multiple channels accessed through multiple devices has created major challenges for today s marketing and advertising professionals Consumer time is split between TVs laptops iPads X Boxes and smartphones with traditional media websites videos social networks and apps all competing for attention meaning it s difficult for brands to decide how best to reach and engage their audiences Paid Owned Earned defines the constituents of each area of paid owned and earned media and shows how they are linked together It proposes a blueprint for how to think and navigate across this space using a framework made up of key elements such as communities and content social media optimisation seeding and viral distribution broadcast mass media social performance media and

measurement

**Multimedia Interaction and Intelligent User Interfaces** Ling Shao, Caifeng Shan, Jiebo Luo, Minoru Etoh, 2010-09-11 Consumer electronics CE devices providing multimedia entertainment and enabling communication have become ubiquitous in daily life However consumer interaction with such equipment currently requires the use of devices such as remote controls and keyboards which are often inconvenient ambiguous and non interactive An important challenge for the modern CE industry is the design of user interfaces for CE products that enable interactions which are natural intuitive and fun As many CE products are supplied with microphones and cameras the exploitation of both audio and visual information for interactive multimedia is a growing field of research Collecting together contributions from an international selection of experts including leading researchers in industry this unique text presents the latest advances in applications of multimedia interaction and user interfaces for consumer electronics Covering issues of both multimedia content analysis and human machine interaction the book examines a wide range of techniques from computer vision machine learning audio and speech processing communications artificial intelligence and media technology Topics and features introduces novel computationally efficient algorithms to extract semantically meaningful audio visual events investigates modality allocation in intelligent multimodal presentation systems taking into account the cognitive impacts of modality on human information processing provides an overview on gesture control technologies for CE presents systems for natural human computer interaction virtual content insertion and human action retrieval examines techniques for 3D face pose estimation physical activity recognition and video summary quality evaluation discusses the features that characterize the new generation of CE and examines how web services can be integrated with CE products for improved user experience This book is an essential resource for researchers and practitioners from both academia and industry working in areas of multimedia analysis human computer interaction and interactive user interfaces Graduate students studying computer vision pattern recognition and multimedia will also find this a useful reference

**Smartphone Energy Consumption** Sasu Tarkoma, Matti Siekkinen, Eemil Lagerspetz, Yu Xiao, 2014-08-07 With an ever increasing number of applications available for mobile devices battery life is becoming a critical factor in user satisfaction This practical guide provides you with the key measurement modeling and analytical tools needed to optimize battery life by developing energy aware and energy efficient systems and applications As well as the necessary theoretical background and results of the field this hands on book also provides real world examples practical guidance on assessing and optimizing energy consumption and details of prototypes and possible future trends Uniquely you will learn about energy optimization of both hardware and software in one book enabling you to get the most from the available battery power Covering experimental system design and implementation the book supports assignment based courses with a laboratory component making it an ideal textbook for graduate students It is also a perfect guidebook for software engineers and systems architects working in industry

**Nokia 100 Owner's Manual** Nokia Mobile Phones, 1993

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