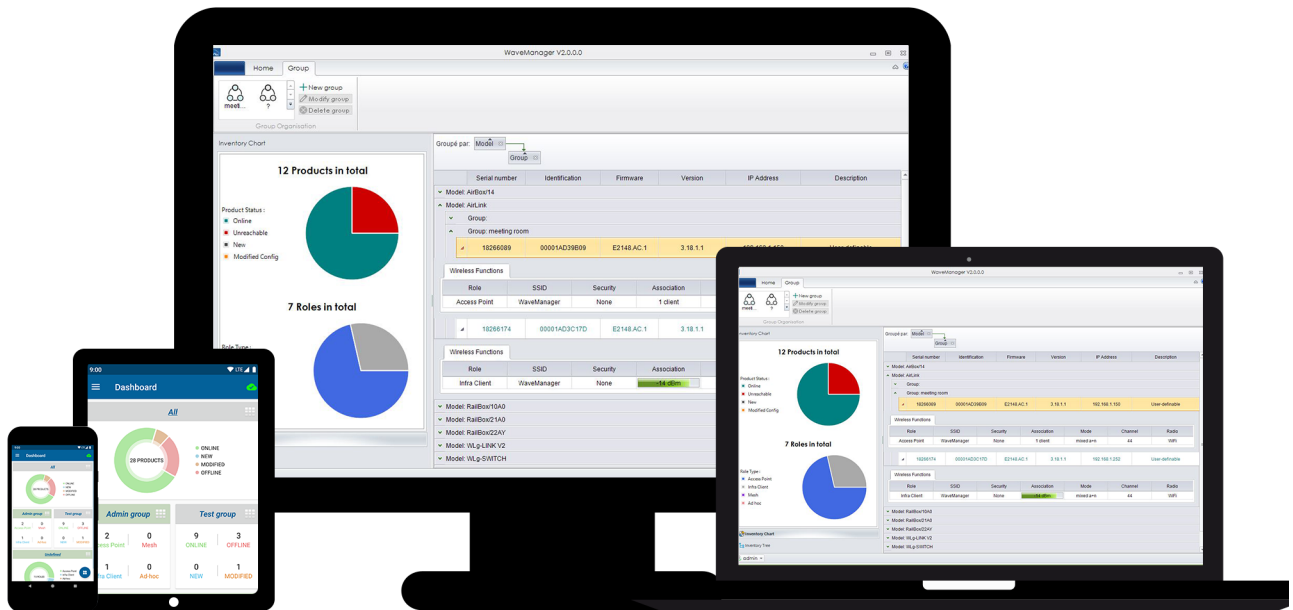


# WaveManager

Centralized Management Software



## Introduction

Most of companies and organizations are now entirely dependent on their information systems. As a result, handling production, customer relations, R&D, accounting, invoicing and other strategic applications have become easier.

It is now essential to monitor your information system health in real time and to be able to anticipate breakdowns even before they occur, or in the worst case, to fix them as soon as possible.

Your infrastructure diagnosis during a dysfunction can very easily become a productivity issue, especially if there is no full picture of the established infrastructure.

On a place supplied with ACKSYS products, our WaveManager tool will allow you to have an overview of your entire ACKSYS equipment fleet.



## What is WaveManager ?

WaveManager is a computer application that brings infrastructure and products management together on a common platform. The Network Administrator's work is completely simplified. WaveManager allows you to configure, monitor, troubleshoot and manage ACKSYS hardware network deployments locally or remotely. All these features are also available on WaveViewer, the additional mobile application.

## Key Elements



### MANAGEMENT

- Centralized administration of ACKSYS solutions via Ethernet, WiFi or cellular\*
- Dynamic detection of ACKSYS products on the local network
- Remote access on product WEB interfaces possible
- Remote equipment configuration and management of configuration files
- Single or grouped configuration of IP, radio channel, SSID and security parameters
- Adding certificate for HTTPS access on product web interfaces possible
- Synchronously upgrade several products firmwares at once
- Product group management
- User management (Admin, Guest)
- Simplified remote deployment and configuration from any location



### MONITORING

- Signal quality monitoring of each ACKSYS WiFi client :
  - Signal plotting and recording
  - Programmable alarms on exceeding RSSI thresholds (high/low)
  - Alert configuration on edited equipment possible
- Dynamic display of the products status and their information in real time :
  - Online (validated by the user)
  - Absent
  - New (not validated by the user)
  - In conflict
  - Edited configuration
- Geolocation of ACKSYS access points and routers according to a postal address or geographical coordinates (GPS) defined for it.



### SECURITY

- User management and passwords access
- Editing product web access by changing the HTTP TCP port possible
- HTTPS certificate management



### MAINTENANCE

- Supports diverse data collection methods: SNMP / PING
- LED Track to find a product installed by flashing its DIAG LED
- Export logs in various formats (Html, CSV, Xlsx, PDF) for detailed analysis.

\*Feature to come on the next version

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## Overview

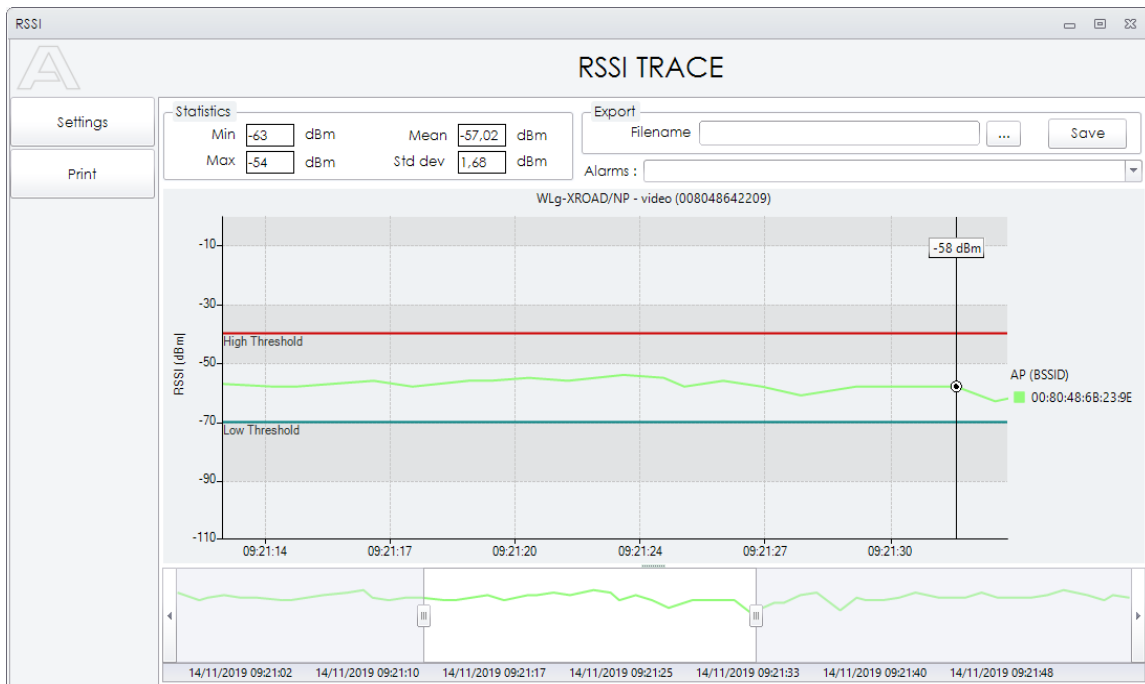
## WaveManager (for Windows)

Associations

## ASSOCIATIONS

SSID:  Model:   
 Label:  Firmware:   
 Version:   
 Description:

#	MAC address	dBm	RSSI	Identification	Libelle
1	04:D6:AA:DB:8F:A3	-84			
2	68:FE:F7:A1:CB:7B	-54			

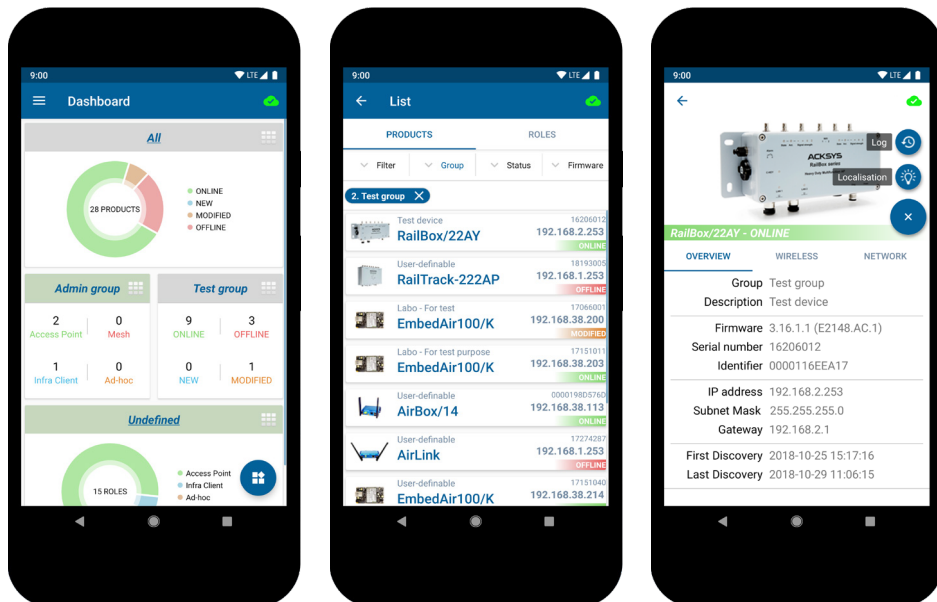


# Overview

The screenshot shows the WaveManager V2.4.0.1 desktop interface. The top navigation bar includes sections for Actualization (Discover/Refresh, Discover Remote Products), Product Management (Validate, Setup, Firmware, Archives, Web Server), Trace (RSSI, LED Track), Localization (Geolocation), and Advance Settings (Application Settings, DataBase Settings, Expand/Collapse All Lines, Grid Display). The main content area features a 'Product Inventory Chart' on the left with two pie charts: '74 Products' (with status breakdown: Online, Unreachable, New, Modified Config) and '75 Roles' (with type breakdown: Access Point, Infra Client, Mesh, Ad hoc). The central table displays a list of products with columns for Modèle, N° de série, Identifiant, Firmware, Version, Adresse IP, and Description. A 'Test group' is highlighted in yellow, containing several 'AirLink' and 'AirBox/14' devices.

Modèle	N° de série	Identifiant	Firmware	Version	Adresse IP	Description
RailBox/22...	16206012	0000116EEA17	E2148.AC.1	4.4.0.1	192.168.38.100	AP maquette
RailBox/22...	16207016	0000116F8CE8	E2148.AC.1	4.4.0.1	192.168.1.68	User-definable
WLn-xRO...		00001385FFF3	E2148.AC.1	3.12.12.1	192.168.38.101	1 - Dominique's Desk
WLn-RailB...		00001764CA7	E2148.AC.1	3.12.10.1	128.17.58.154	User-definable
490-8925		0000177D2460	E2148.AC.1	3.18.0.1	192.168.38.102	Test KF
AirLink	17135004	0000198D1784	E2148.AC.1	3.18.3.1	192.168.1.254	Repeteur
AirLink	17135049	0000198D5219	E2148.AC.1	3.18.3.1	192.168.1.59	salledereunion
AirBox/14		0000198D576D	E2148.AC.1	4.4.0.1	192.168.38.112	Bureau de Dominique
AirBox/14	19070049	00001AD396F0	E2148.AC.1	4.4.0.1	192.168.38.189	User-definable
AirBox/14	19070058	00001AD388D3	E2148.AC.1	4.4.0.1	192.168.38.190	User-definable
AirBox/14	19070015	00001AD38973	E2148.AC.1	4.4.0.1	192.168.38.191	User-definable
AirBox/14	19070044	00001AD38981	E2148.AC.1	4.4.0.1	192.168.38.192	User-definable
AirBox/14	19070034	00001AD38C6D	E2148.AC.1	4.4.0.1	192.168.38.193	User-definable
AirBox/14	19070024	00001AD390FB	E2148.AC.1	4.4.0.1	192.168.38.194	User-definable
AirBox/14	19070032	00001AD39107	E2148.AC.1	4.4.0.1	192.168.38.195	User-definable
AirBox/14	19070069	00001AD3913D	E2148.AC.1	4.4.0.1	192.168.38.196	User-definable

## WaveViewer (for Android)



## Technical characteristics overview

### WaveManager

Server requirements	Intel Core i7 processor 8GB RAM, 256GB SSD 2 x Gigabit Ethernet ports
Operating System	Windows 7, 8, 8.1, 10 (Professional Edition or higher, 64-bit) or Windows Server 2008 R2 (Standard or higher, 64-bit)
Security & Management	SNMP v1, v2c, v3, UDAP
Database	Microsoft SQL Lite

### WaveViewer



Now users can easily have a remote access from **WaveViewer, the mobile application.**

**WaveViewer** informs you about the overall health of your network as well as individual devices status. You can download it on :



Operating System	Android 7
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