



BlueSoleil™

**7.0.348.1
Release Note**

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1 Introduction

This document describes IVT BlueSoleil version 7.0.348.1.

2 Target Platform

- CPU: 600MHz or above
- RAM: 128M or above
- Screen: 800*600 or above
- Display: Adapter True Color 16bits or above
- OS: Windows 2000, Windows XP, Windows Vista, Windows 7
- Languages supported: English, Simplified Chinese, Traditional Chinese, German, Polish, Russian, Spanish, Japanese, Korean, Norwegian, Portuguese, Swedish, Italian, French, Danish, Dutch, and Finnish.

3 Release Functionality

3.1 Bluetooth Functionality

The software was written against version 2.0+EDR of the Bluetooth Core Specification [1] and Bluetooth Profile Specification [2] and Covered Core Package version:3.0+HS [3].

The release provides:

Bluetooth Profile		Client/connections	Server/connections
PAN	Personal Area Networking Roles: Group Network/PAN User	√, 1	√, 1+
SPP	Serial Port: Roles: Device A/Device B	√, 1+	√, 1
DUN	Dial-Up Networking Roles: Data Terminal	√, 1+	N/A
HID	Human Interface Device Roles: Host	√, 1+	N/A
OPP	Object Push Roles: Client/Server	√, 1	√, 1
FTP	File Transfer Roles: Client/Server	√, 1	√, 1
FAX	FAX Roles: Data Terminal	√, 1	N/A
Headset	Headset Roles: Audio Gateway	√, 1	√, 1
Handsfree	Handsfree Roles: Audio Gateway	√, 1	√, 1

A2DP	Advanced audio distribution profile Roles: Source & Sink	√, 1	√, 1
AVRCP	Audio/video remote control profile Roles: target	√, 1	√, 1
HCRP	Hardcopy Cable Replacement Roles: Client	√, 1	N/A
BIP	Basic Imaging Service Roles: Image Push(Imaging Responder)	√, 1	√, 1

Note:

1. "1" means there can be only 1 connection at the same time. "1+" means there can be more than 1 connection at the same time.
2. "N/A" means it will not be supported.

And:

- Supports Bluetooth 2.1+EDR.
- Standard operating modes: page, inquiry, page-scan and inquiry-scan
- Standard USB (v1.1/2.0)
- All standard pairing, authentication, link key and encryption operations
- Master/Slave switch. This allows a device to connect itself to an established piconet

3.2 Installation

Before installation:

- Uninstall the earlier version of BlueSoleil you installed on your computer: Click Start -> Control Panel to open Control Panel, and then choose Uninstall a program. Select BlueSoleil in the program list and uninstall it.
- Bluetooth adapter can be remained plugged or unplugged when installation.
- Users must log on as administrators to install BlueSoleil.
- BlueSoleil can only be removed from Control Panel.

Installation steps:

- Double-click setup.exe to start installation.
- Choose the setup language.
- Follow the instructions on the screen.
- Restart your computer.

Note: With regard to the installation command line, please refer to setup.ini in the installation folder for detailed instructions.

3.3 Extra Functionality

The build extends the standard Bluetooth functionality with the following features:

- Open APIs for 3rd party.

- “Send to” function. Right-click a selected file in Explorer, to send the file to other Bluetooth devices via the “Send to” popup menu.
- “Send by Bluetooth” and “set as default” functions in Microsoft Outlook.
- “Create desktop shortcut” function. You can create shortcuts for devices and services on the desktop by right-clicking the device or service icon. The shortcut can also be created by dragging a device or a service icon and dropping to desktop.
- SPP, DUN and FAX auto connection function.
- Connects to an RFCOMM-based service with 128bits-GUID on a remote device.
- Optimized Role switch policy for various Bluetooth devices to maximize the possibility of success in creating connections.
- Dual Graphical User Interfaces for Bluetooth, Classical BlueSoleil GUI and Windows Explorer GUI.
- Supports UART Devices.

3.4 Functional Restrictions

The following major functional restrictions apply to this release:

- To make BlueSoleil work normally, the max number of local SPP service is limited to 5.
- For PAN and Headset profile, BlueSoleil cannot act as client and server at the same time.
- Supported media player by default for AVRCP
 - (1) Windows Media Player version 6.4, 7, 8, 9, 10, 12.
 - (2) WinAmp 2.7, 2.8, 3.0, 5.581..
 - (3) Realone 6.0.x and 7.0.x (Fully tested with 6.0.11.864 and 7.0.0.2151)
 - (4) iTunes Version 10.0.x and above.

Further extension to support other media players is possible by implementing BlueSoleil standard AVRCP interfaces. (If you are interested in doing this, please contact IVT.)

3.5 Known Issues

No	
1	Files which are named in multi-byte character set cannot be transferred between different character sets OS, such as between an English Version Windows and a Chinese one, via Bluetooth File Transfer profile. Solution: Change the file name into English.
2	The speed of transferring files via PAN profile in Windows Vista is slow sometimes. If users cancel the file transfer procedure, the Windows Explorer restarts occasionally.
3	When connecting to some cellular phone, BlueSoleil could not set up connection successfully sometimes. For example, some model of Motorola V3 and L7. In this condition, you need to pair with the phone first, and then connect with it.
4	When transferring file by FTP/OPP/BIP, if the connection is disconnected from server, it maybe will cause some exceptions.
5	Unable to rename newly created folder in FTP profile on Windows 7.

3.6 History

The following significant changes have been made to BlueSoleil 7.0.348.1 Release since it is BlueSoleil 7.0.338.0 Release:

- Fixed bug: sometimes system cannot wake up after s3/s4.
- Fixed bug: with X170, sometimes Bluetooth icon cannot disappear when disable/Enable Bluetooth via hotkey.
- Export a interface for simple pair.

4 References

- [1]. Specification of the Bluetooth System, Core, V2.0+EDR, November 4th, 2004.
- [2]. Specification of the Bluetooth System, Profiles, date up to January 30th, 2007.
- [3]. Specification of the Bluetooth System, Core_V3.0+HS, April 21, 2009.

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