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RTG StandAlone Casino Installation Guide



Table of Contents

Befor	re You Install the RTG StandAlone Casino	3
Mi	nimum System Requirements	3
1.	Install TPM Chip	3
2.	Install Windows 7 Ultimate	3
3.	Configure BIOS (Basic Input/ Output System) Settings	4
4.	Configure BitLocker	4
5.	Request New Site	6
Insta	II the RTG StandAlone Casino	6
6.	Run the RTG StandAlone Casino	6
	Start of Installation Process	6
	Automatic Prerequisites	6
	Actual Installation	9
	Start of Installation Process – RTP Settings	9
7.	Site (Server) Activation	10
8.	Configure Static IPs – (Non-DHCP Networks Only)	10
On-S	ite Validation of StandAlone Casino Installation	13
Appe	endix 1 – RSVS RTP Default Settings	14



Before You Install the RTG StandAlone Casino

This document presents the installation process for the RTG StandAlone Casino and assumes a fresh install of the main products required, namely:

- 1 License of Windows 7 Ultimate or Enterprise
- Machine with TPM chip (RTG recommends: Acer Veriton X VX275-UD6701W Desktop PC)
- RTG Standalone Casino (other ancillary products required will be installed automatically)

Minimum System Requirements

The minimum machine specification required to run are detailed in the following chart:

Minimum System Requirements to Run an the RTG StandAlone Casino						
Processor	Intel Pentium Dual Core 3.2 GigaHz					
Main Memory (RAM)	2Gb					
Chipset	Intel G41 Express Chipset					
Graphic Adapter	any (can be integrated into motherboard)					
Hard Disc	80GB 7200RPM SATA.					
Network Card	100Mb can be integrated into motherboard; RXCSUM, TXCSUM options and AFT (Adapter Fault Tolerance), ALB (Adaptive Load Balancing) technologies supporting is desirable. Intel PRO/1000 Gigabit Ethernet is recommended					
DVD Drive	DVD-ROM (DVD-RW) IDE ATA					

Note also that RTG recommends the "Acer Veriton X VX275-UD6701W Desktop PC", which meets all listed requirements.

1. Install TPM Chip

The Trusted Platform Module (TPM) is a specific protected and encapsulated microcontroller security chip used to defend the internal data structures against real intelligent attacks.

Install the TMP Chip on server motherboard (if not built-in).

2. Install Windows 7 Ultimate

Follow typical installation procedure for Windows 7 Ultimate as outlined by Windows.

Although after booting up, installation steps are straightforward, read the descriptions before clicking the Next button. Here are few pointers to take into account as you process through the installation steps:

- 2.1. Enter language and other preferences that are best for you.
- 2.2. Accept license terms.
- 2.3. Choose a Custom (advanced) installations, as this is a fresh install.
- 2.4. Delete all existing partitions, if any.



2.5. Create and format two partitions (in the order below):

2.5.1. Drive D (20 GB).

- 2.5.2. Drive C (30 GB) install Windows in this partition
- 2.6. Enter user name, computer name, and passwords that are best for you
- 2.7. Select recommended settings.
- 2.8. Choose appropriate time zone (e.g. Kuala Lumpur, Singapore), click the box for "automatically adjust clock for daylight savings changes", then enter current date and time.
- 2.9. For Windows updates, choose "important updates (recommended)".
- 2.10. Install all other third-party-required drivers provided, if any.

3. Configure BIOS (Basic Input/ Output System) Settings

Every computer motherboard is a little bit different, thus the steps below may not mirror exactly those in your BIOS. The motherboard's manual is perhaps your best reference to the settings.

In the BIOS configuration, do the following:

- 3.1. Enable the Security Chip (TPM) depending on your motherboard, this may be under Advanced or Security Settings.
- 3.2. Create a Change Supervisor Password. Use any digits from 1 to 0.
- 3.3. Set Chassis Intrusion to "Clear" and make sure it is enabled.

4. Configure BitLocker

Here are few pointers to take into account as you process through the installation steps:

4.1. Using **BitLocker** Manager, encrypt drives C and D.

Follow these steps to <u>turn on Bitlocker on an Operating System drive</u> and these steps to <u>turn on</u> <u>Bitlocker on a fixed or removable data drive</u>, as the case may be.

4.2. Once the initialization process is complete, you will be prompted the page that shows the unlocking options. Select "Automatically unlock this drive on this computer" (see image below).

🔀 BitLocker Drive Encryption (D:)
Choose how you want to unlock this drive
Use a password to unlock the drive
Passwords should contain upper and lowercase letters, numbers, spaces, and symbols.
Type your password:
Retype your password:
Use my smart card to unlock the drive
You will need to insert your smart card. The smart card PIN will be required when you unlock the drive.
Automatically unlock this drive on this computer
How do I use these options?
Next Cancel



- 4.3. On the Save the Recovery Password page, select:
 - Save the password in a folder, which saves the passwords to a folder on a network drive or other location.

Use this option to preserve the recovery passwords by saving them in a network location, and then discard them from machine after installation.

CAUTION - Save recovery keys in a network location and discard them from machine after installation.



The recovery password will be required in the event the encrypted disk must be moved to another computer, or changes are made to the system startup information. This password is so important that we recommend that you store it in a very safe place to assure you access to your data. You will need your recovery password to unlock the encrypted data on the volume if BitLocker enters a locked state. This recovery password is unique to this particular BitLocker encryption. You cannot use it to recover encrypted data from any other BitLocker encryption session.



5. Request New Site

- 5.1. Contact your Central Operator to request the creation of a new Site. Your request must include:
 - 5.1.1. The Media Access Control address (MAC address) of the machine, which is the physical ID of the Site's network interface card.

To obtain machine's MAC address, follow these steps:

- 5.1.1.1. Open the Command Prompt
- 5.1.1.2. Type in: ipconfig /ALL
- 5.1.1.3. In the "Ethernet adapter" section, look for the Physical Address which appears in this format: XX-XX-XX-XX-XX-XX (report the value to the operator with this other format XX:XX:XX:XX:XX:XX).

Wind	ows IP Confi	iguratio	on						
H P: N I U D Ethe:	ost Name rimary Dns S ode Type P Routing Er INS Proxy Er NS Suffix Se rnet adapter	Suffix Tabled Tabled Sarch Li	ist.	Cor	- - - -	- - - -			Hybrid No No
C	onnection-sp escription	pecific	DNS	Suf f 	ix •			=	Broadcom NetXtreme 57xx Gigabit Controlle
r Di A	hysical Addı HCP Enabled utoconfigura	ess Ation E	nabled	 1 -					00-23-AE-5C-F0-EB yes Yes
L I S	ink-local II Pv4 Address. ubnet Mask	Pv6 Addı 	ress		-	-	-		(Preferred) (Preferred) .0

NOTE: In this example the MAC address is 00-23-AE-5C-F0-EB reported by the system, and it must be reported as 00:23:AE:5C:F0:EB in the "New Site Creation Request" to the Operator.

5.2. Central Operator creates and registers the Site/ machine, and sends you the Cafe's External ID (Unique identifier assigned to the Site obtained from the Agency System).

Install the RTG StandAlone Casino

6. Run the RTG StandAlone Casino

A site must be registered by the Central Operator in MCA before you can install RTG StandAlone Casino.

START OF INSTALLATION PROCESS

6.1. Run the **RTG StandAlone Casino** installer **as an administrator**.

AUTOMATIC PREREQUISITES

All software required by the RTG StandAlone Casino will be automatically installed first.



CAUTION - Keep default settings. Any changes on these settings will affect the correct behavior of the Casino.

Not running the **RTG StandAlone Casino** Installer **as an administrator** or changing default settings may cause the software products to fail on installation, or require that you reformat the disk and restart the installation.

6.2. Stop the **RTG StandAlone Casino** Automatic Installer after the reboot following the installation of the .Net Framework 4.0, and re-start it **as the administrator**.



- 6.3. As you proceed through the Installation Wizard for **SQL Server 2008 R2**, .you may find the tips and pointers below useful for pages specific data needs to be entered or decision made.
 - 6.3.1. Select New installation or add features to an existing installation.

🏗 SQL Server Installation Center	
Planning Installation Maintenance Tools Resources	 New installation or add features to an existing installation. Launch a wizard to install SQL Server 2008 R2 in a non-clustered environment or to add features to an existing SQL Server 2008 R2 instance. Upgrade from SQL Server 2000, SQL Server 2005 or SQL Server 2008 Launch a wizard to upgrade SQL Server 2000, SQL Server 2005 or SQL Server 2008 R2.
Advanced Options	Search for product updates Search Microsoft Update for SQL Server 2008 R2 product updates.
SQL Server 2008 R2	

- 6.3.2. On the **Accept License Terms** page, select the check box to accept the licensing terms and conditions. Accepting the license agreement activates the Next button. To continue, click Next.
- 6.3.3. On the **Feature Selection** page, make sure your selections match the ones in the image below:

🐮 SQL Server 2008 R2 Setup									
Feature Selection Select the Express features to install.									
Setup Support Rules	Features:		Description:						
Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Instance Features	ЭК	Server features are instance-aware and have their own registry hives. They support multiple instances on a computer.						
	Select All Unselect All								
	Shared feature directory:	C:\Program Files\Microsoft SC	QL Server\						
	Shared feature directory (x86):	C:\Program Files (x86)\Micros	oft SQL Server\						
		< Back Next :	Cancel Help						



6.3.4. On the **Instance Configuration** page, make sure your specifications match the ones in the image below:

📸 SQL Server 2008 R2 Setup	supplier and the local			an 200 to 123.	_ D X
Instance Configuration Specify the name and instance ID	for the instance of SQL Se	erver. Instance ID	becomes part of th	e installation path.	
Setup Support Rules Feature Selection Installation Rules	 Default instance Named instance: 	SQLExpress			
Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Jostallation Configuration Bules	Instance ID: Instance root directory:	SQLExpress : C:\Program F	iles\Microsoft SQL So	erver\	
Installation Progress Complete	SQL Server directory: Installed instances: Instance Name	C:\Program Fi Instance ID	les\Microsoft SQL Se Features	rver\MSSQL10_50.SC	QLExpress Version
			< Back	Next > Can	cel Help

- 6.3.5. When you have finished specifying all other installation options, the Installation Wizard will take you to the **Ready to Install** page.
- 6.3.6. On the **Choose Setup Type** page, choose Install Now. Then, click Next for the Setup program to install SQL Server.

😸 SQLXML 3.0 SP3 Set	up 🔤 🏹
Choose Setup Type Choose the setup type	that best suits your needs
N N N N N N N N N N N N N N N N N N N	Install Now Install SQLXML 3.0 SP3
	Customize Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.
	< Back Next > Cancel



ACTUAL INSTALLATION

6.3.7. Include External ID provided by Operator in step 5.2.



CAUTION – Close the SQL Server Installation window to continue with the **RTG StandAlone Casino** Installation. This window may be running in the background and installation will not continue until this the SQL Server Installation window is closed.

6.4. Obtain CDN path from the Central Operator. This path will be required to set up CDN (Content Delivery Network) from source location to **D:\Casino\CDN**.

START OF INSTALLATION PROCESS – RTP SETTINGS

6.5. After entering the External ID provided by Operator in the Wizard, from the dropdown menu select the desired RTP settings (Default¹, 95%, or 97.5%).

Click Next to install t	o this folder, or click Change to install t	to a different folder.
Install FI_ D:\casino	Borneo-01 - 11.1.0.0 to: \	Change
Enter External ID RTP Settings	0 Default 95 % 97.5 %	

- 6.6. Click Next> and proceed with installation.
- 6.7. If you are on a DHCP-based Network, shut down the Site. However, if you are on a Network using Static IPs, go to step <u>8: Configure Static IPs (Non-DHCP Networks Only)</u>.

CAUTION – To prevent system malfunction, ensure all tasks required are successfully completed before shutdown as system becomes shielded after this point.

¹ For details, see <u>Appendix 1 – RSVS RTP Default Settings</u>



7. Site (Server) Activation

Before the Stand Alone Site (Server) is turned on for the first time, it must be activated².

CAUTION – To prevent automatic wiping, activate site before first power-on.

To activate a site, contact your Central Operator and follow his instructions. Note that a Site's first activation requires an online connection³.

To avoid automatic Site wiping, make sure to have internet connection for the Site's first power-on after installation.

NOTE: Once activated, a Site will be periodically⁴ validated by RTG.

8. Configure Static IPs – (Non-DHCP⁵ Networks Only)

Validate your local network configuration with your Cafe Manager.

If your network uses static IP addresses, follow these steps:

- 8.1. Ask the Cafe Manager for the values for your network configuration:
 - a. IP address (assigned to server)
 - b. Subnet mask
 - c. Default gateway
 - d. Preferred DNS server
 - e. Alternate DNS Server (optional)
- 8.2. In the **Control Panel** under **Network and Internet**, select **View network status and tasks**.



² Failing to ensure this will triggered an automatic wiping process.

³ Failing to ensure this will triggered an automatic wiping process.

⁴ Time length may be modified. Double-check with your Operator.

⁵ Dynamic Host Configuration Protocol



8.3. Click Local Area Connection.



8.4. In the Local Area Connection Status window, press the Properties button.

Local Area Connection Status	×
General	
Connection	
IPv4 Connectivity:	Internet
IPv6 Connectivity:	No Internet access
Media State:	Enabled
Duration:	8 days 12:03:36
Speed:	100.0 Mbps
Details	
Activity	
Sent —	Received
Bytes: 1,360,122,822	1,709,760,642
Properties Disable	Diagnose
	Close

8.5. In the Local Area Connection Properties window, look for and select Internet Protocol Version 4(TCP/IPv4), then press the Properties button.

Local Area Connection Properties								
Networking Sharing								
Connect using:								
🔮 Broadcom NetXtreme 57xx Gigabit Controller								
Configure								
This connection uses the following items:								
Install Uninstall Properties Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. OK Cancel								

8.6. In the Local Area Connection Properties window, look for and select Internet Protocol Version 4(TCP/IPv4), then press the Properties button.



- 8.7. In Internet Protocol Version 4(TCP/IPv4) Properties window, select Use the following IP Address.
- 8.8. Complete the fields with the information about your local network which you received from your Cafe Manager.

Internet Protocol Version 4 (TCP/IPv4)	Properties	ନ୍ତ	23				
General							
You can get IP settings assigned autom this capability. Otherwise, you need to for the appropriate IP settings.	atically if your network ask your network admin	suppor istrato	rts r				
Obtain an IP address automatical	y						
Ouse the following IP address:							
IP address:	192.168.1.25						
Subnet mask:	255.255.255.0	5.255.255.0					
Default gateway:	192.168.1.1						
Obtain DNS server address autom	atically						
Ose the following DNS server addr	esses:						
Preferred DNS server:	11 . 165 . 5 . 230						
Alternate DNS server:	11 .165 . 5 . 8						
Validate settings upon exit	Adva	anced.]				
	ОК	Car	ncel				

- 8.9. Click OK twice to finish configuring your local network static IPs.
- 8.10. Shut down the Site. To activate Site, go to step 7: Site (Server) Activation



CAUTION – To prevent system malfunction, ensure all tasks required are successfully completed before shutdown as system becomes shielded after this point.



On-Site Validation of StandAlone Casino Installation

Installation cannot be done until the machine reaches the Cafe and there is an internet connection.

Advise the Cafe Administrator to follow instructions in the POS Cashier User Manual to validate the installation via the Diagnostics Page.



Appendix 1 – RSVS RTP Default Settings

The default RSVS RTP values (Return to the Player) are shown in the chart below:

Game Name	Guts
Ronin	91% Progressive
Cleopatra's Gold	91% Progressive
Aztecs Treasure	90% Progressive
Goldbeard	91% Progressive
Caesar's Empire	91% Progressive
Diamond Dozen	91% Progressive
Prince of Sherwood	91% Progressive
Viking's Voyage	91% Progressive
Lions Lair	91% Progressive
Mister Money	91% Progressive
Derby Dollars	91% Progressive
Tiger Treasures	91% Progressive
Sunken Treasure	91% Progressive
Mermaid Queen	95% Progressive
Hillbillies	91% Progressive
Fruit Frenzy	91% Progressive
Tally Ho	91% Progressive
Rain Dance	91% Progressive
Green Light	91% Progressive
Red Sands	95% Progressive
Triple Toucan	91% Progressive
Funky Monkey	91% Progressive
Enchanted Garden	91% Progressive
Victory	91% Progressive
Aladdin's Wishes	91% Progressive
Crystal Waters	91% Progressive
Golden Glove	95% Progressive
Golden Retriever	95% Progressive
Incan Goddess	91% Progressive
Outta This World	95% Progressive
Paradise Dreams	91% Progressive
Achilles	91% Progressive
Honey to the Bee	95% Progressive
Warlocks Spell	91% Progressive
Realm of Riches	91% Progressive
Penguin Power	91% Progressive
Treasure Chamber	91% Progressive
Paris Beauty	91% Progressive
Fame & Fortune	91% Progressive
Big Shot	91% Progressive



Game Name	Guts
Jackpot Piñatas	94% Progressive
Medal Tally	95% Progressive
Coyote Cash	91% Progressive
Rudolph's Revenge	95% Progressive
Hidden Riches	91% Progressive
Happy Golden Ox	95% Progressive
of Happiness	
Cherry Red	95% Progressive
Jackpot Cleopatra's Gold	94% Progressive
Pay Dirt	91% Progressive
3 Stooges	95% Progressive
T-Rex	91% Progressive
Year Of Fortune	91% Progressive
Mayan Queen	91% Progressive
Club World Casinos	95% Progressive
Loose Caboose	91% Progressive
Aztec's Millions	94% Progressive
Mystic Dragon	91% Progressive
Sea Captain	91% Progressive
King of Swing	95% Progressive
Texan Tycoon	91% Progressive
I riple I wister	91% Progressive
Aztecs Treasure	91% Progressive
Feature Guarantee	0.40 Dragragaina
	94% Progressive
Noughty Or Nico	91% Progressive
Wok And Boll	91% Progressive
Goldon Lotus	91% Progressive
Santa Strikos Back	91% Progressive
Lucky Last	91% Progressive
Goblin's Treasure	91% Progressive
Fruit Bowl XXV	95% Progressive
Hockey Hero	95% Progressive
Ocean Dreams	91% Progressive
Rushmore Riches	95% Progressive
Coat of Arms	91% Progressive
Count Spectacular	91% Progressive
Lucky Tiger	95% Progressive
Return of the Rudolph	91% Progressive
Its a Mystery	91% Progressive
Basketbull	91% Progressive
Monster Mayhem	91% Progressive
Glitz and Glamour	95% Progressive
White Rhino	91% Progressive



Game Name	Guts
Mice Dice	91% Progressive
Slots Jungle	95% Progressive
Field of Green	94% Progressive
Bunko Bonanza	94% Progressive
Boy Kings Treasure	91% Progressive
London Inspector	94% Progressive
Haunted Opera	91% Progressive
Roberta's Castle	94% Progressive
Crazy Vegas	94% Progressive
Wooden Boy	94% Progressive
Hoops of Gold	94% Progressive