



RTG StandAlone Casino Installation Guide

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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 GHz
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 TPM 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.

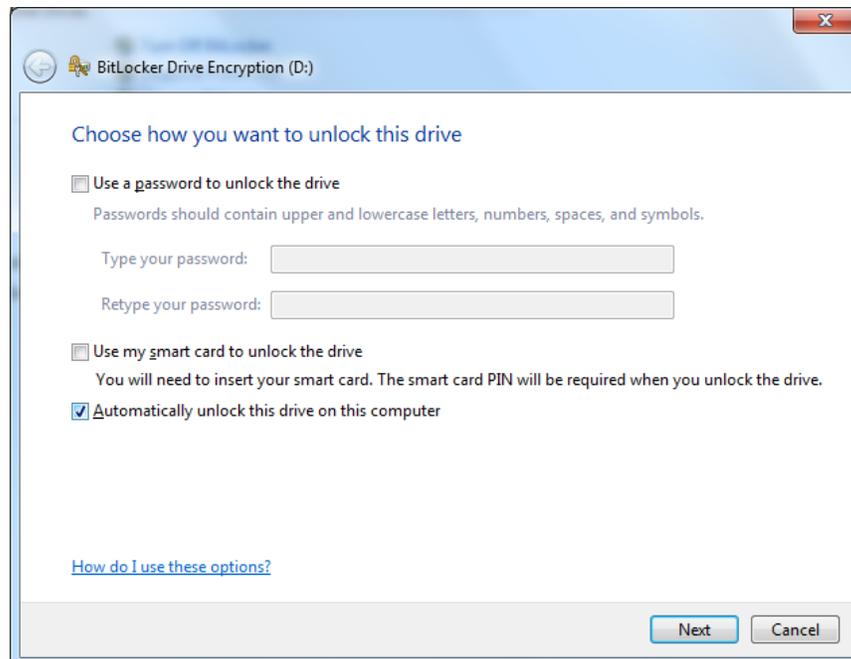
In the BIOS configuration, do the following:

- 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 [turn on Bitlocker on an Operating System drive](#) and these steps to [turn on Bitlocker on a fixed or removable data drive](#), 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).



- 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).

```
Windows IP Configuration

Host Name . . . . . :
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . :

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . . . :
Description . . . . . : Broadcom NetXtreme 57xx Gigabit Controlle
Physical Address. . . . . : 00-23-AE-5C-F0-EB
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . . : Yes
Link-local IPv6 Address . . . . . :
IPv4 Address. . . . . :
Subnet Mask . . . . . : .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

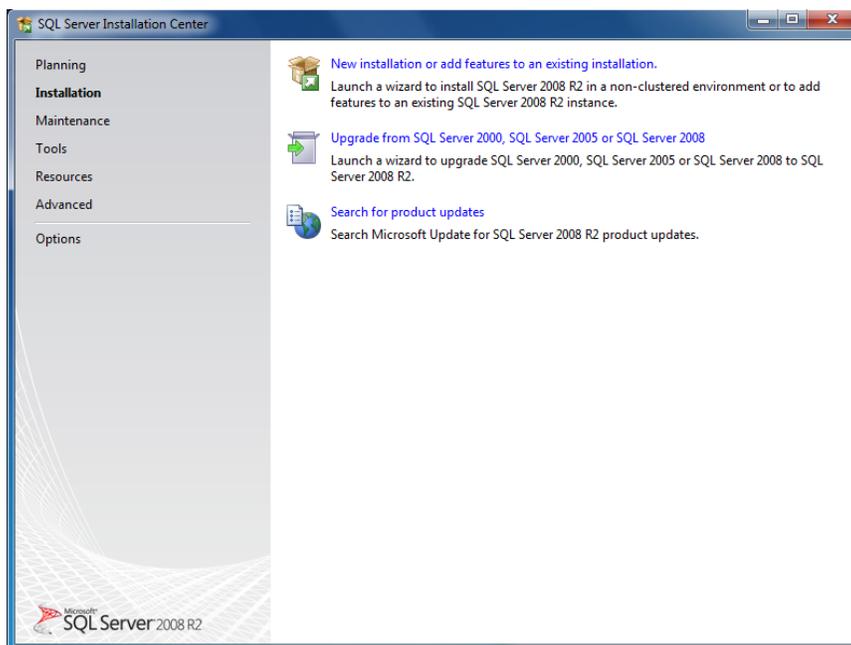
All software required by the **RTG StandAlone Casino** will be automatically installed first.

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**.

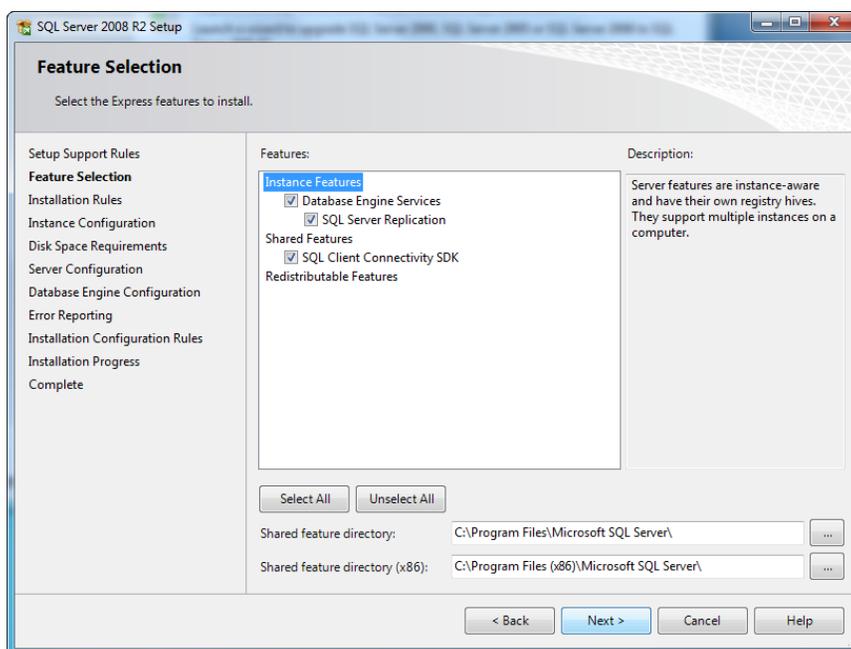
6.3. As you proceed through the Installation Wizard for **SQL Server 2008 R2**, you may find the tips and pointers below useful for pages specific data needs to be entered or decision made.

6.3.1. Select **New installation or add features to an existing installation.**

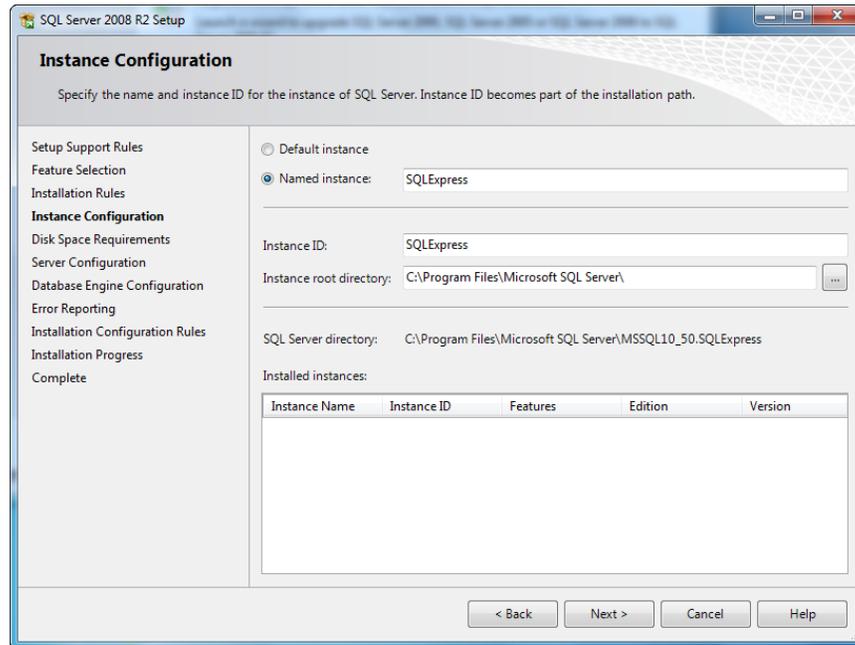


6.3.2. On the **Accept License Terms** page, select the check box to accept the licensing terms and conditions. Accepting the license agreement activates the Next button. To continue, click Next.

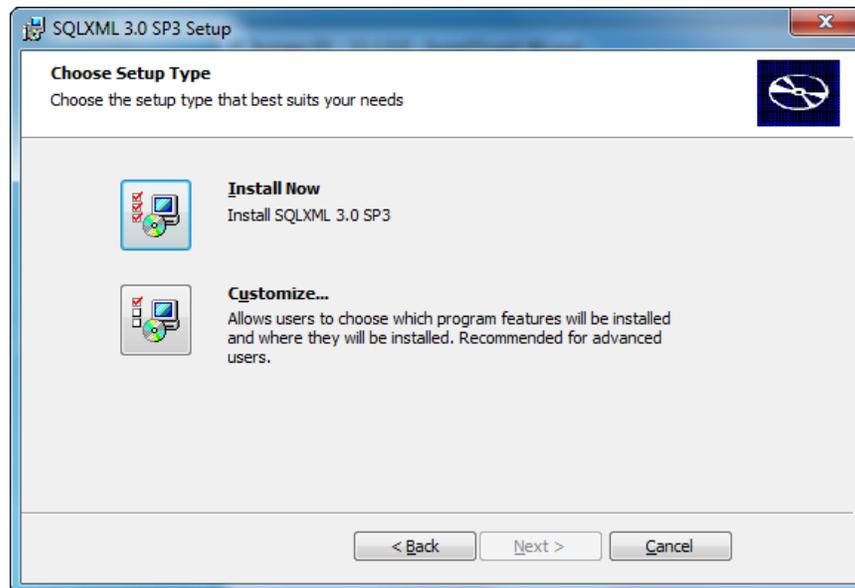
6.3.3. On the **Feature Selection** page, make sure your selections match the ones in the image below:



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



- 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.



ACTUAL INSTALLATION

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



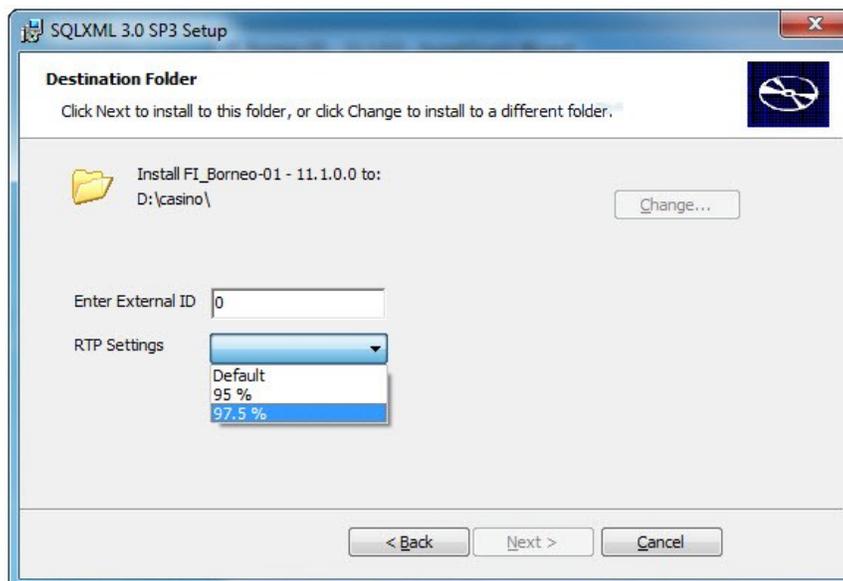
CAUTION – Close the SQL Server Installation window to continue with the **RTG StandAlone Casino** Installation.

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:\CasinoCDN**.

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%).



- 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 [8: Configure Static IPs – \(Non-DHCP Networks Only\)](#).



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 [Appendix 1 – RSVS RTP Default Settings](#)

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**.



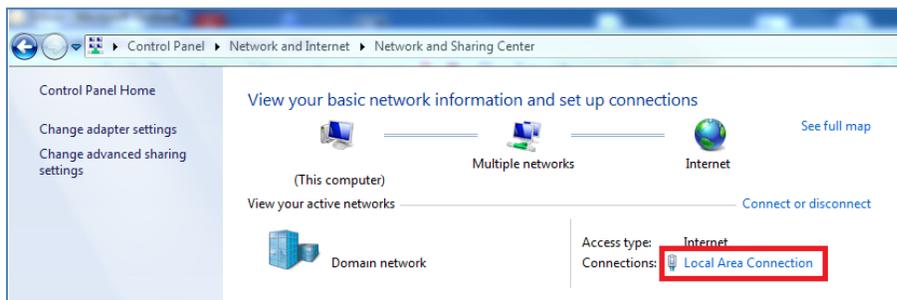
² Failing to ensure this will triggered an automatic wiping process.

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

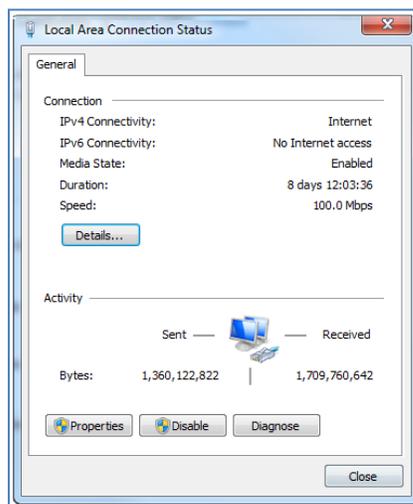
⁴ Time length may be modified. Double-check with your Operator.

⁵ Dynamic Host Configuration Protocol

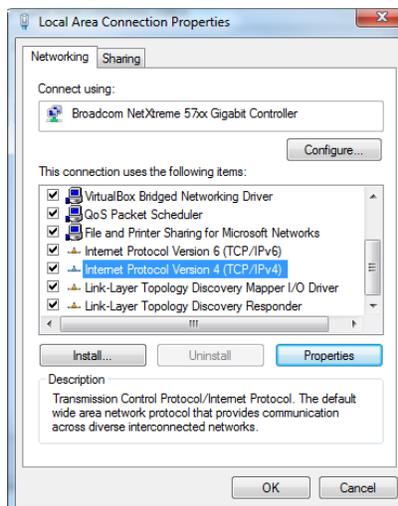
8.3. Click **Local Area Connection**.



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

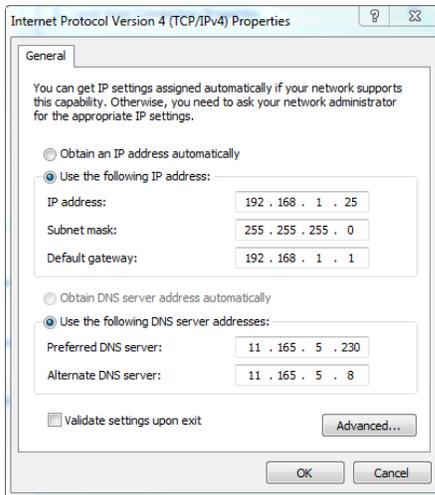


8.5. In the **Local Area Connection Properties** window, look for and select **Internet Protocol Version 4(TCP/IPv4)**, then press the **Properties** button.



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.



- 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 of Happiness	95% Progressive
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
Triple Twister	91% Progressive
Aztecs Treasure Feature Guarantee	91% Progressive
Shopping Spree II	94% Progressive
Tritons Treasure	91% Progressive
Naughty Or Nice	91% Progressive
Wok And Roll	91% Progressive
Golden Lotus	91% Progressive
Santa Strikes 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
Basketball	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