

ROULETTE ADVANCED™

Game Type: Table Game
Return to Player: 97,30%

NetEnt's latest online game Roulette Advanced™ provides a competitive edge to the players. This Roulette version targets the experienced online Roulette players and replaces the popular Roulette flash games.



| GENERAL INFORMATION | |
|-----------------------|---|
| Game Type | Table Game |
| Chip Values (€) | Default values: 0.1, 0.5, 1, 5, 10, 25, 50, 100, 500, 1000 |
| Min / Max Bet (€) | Default: 0.1 / 5000 |
| GAME FEATURES | |
| | <ul style="list-style-type: none"> • Autoplay • Billboard • Double all bets • Reuse same bet • Racetrack • Special Bets and Favorite Bets Panel |
| PAYOUT | |
| Return to Player (%) | 97,30% |
| Maximum Win (€) | Default: 46200 |
| RESPONSIBLE GAMING | |
| Player Limits | <ul style="list-style-type: none"> • Player and casino operator can set the following play limits: Bet & loss per session, day, week or month. Block all play for a specified period of time. Restrict session play length in minutes. • Playing for real is restricted by player account funds (i.e. cannot play for credit). • (Italy jurisdiction only) Player can initially have a maximum of 1.000 € in the wallet. Since each game is a user session, the player's wallet may exceed this limit during play. |
| Other | <ul style="list-style-type: none"> • Play for Fun • Variable bet levels • G4 mode |
| TECHNICAL INFORMATION | |
| Game ID | roulette2adv_not_mobile (basic wallet) roulette2adv_not_mobile_sw (seamless wallet) |
| Display Resolution | 1280 x 720 |
| Aspect Ratio | 16:9 |
| Technology | HTML5 |
| Deployment | Refer to CasinoModule Help for information about launching CasinoModule games. |



Game table

Game Theme and Graphics

Roulette Advanced™ offers the standard branding options available in earlier versions of the Roulette game. In addition, the game provides advanced betting possibilities for experienced players with the introduction of Racetrack, Billboard, FAVOURITE BETS, and SPECIAL BETS panel.



SPECIAL BETS and FAVORITE BETS panel

Special Bets and Favourite Bets

The SPECIAL BETS and FAVORITE BETS panel is used to place French Roulette 'announce' or 'call' bets. It opens when players click the SPECIAL BETS bar. When this panel is open, all available Special bets are listed, including HOT and COLD numbers. Players can scroll through the pages of the Special bets list using the arrows at the top of the panel. When players place the mouse over a Special bet, the game highlights the bet numbers on the table.

The game has a FAVORITE BETS feature that allows players to save bets of any configuration and place them automatically. To place a Favorite bet, a player needs to open the FAVORITE BETS bar and select a bet from the list. On selecting the bet, all chips are placed automatically.

This illustration shows the SPECIAL BETS and FAVORITE BETS panel on the top-right corner of the Billboard. Roulette Advanced™ also provides a game option that allows to always display the SPECIAL BETS and FAVORITE BETS panel.



Roulette Advanced™ Racetrack betting

Racetrack

Roulette Advanced™ features a Racetrack, which is placed at the top-right of the Roulette table. The numbers on the Racetrack replicate the sequence of numbers on the European Roulette wheel. Players can use the Racetrack to place straight bets, neighbour bets and the call or Special bets like SERIE 5/8, ORPHAN, SERIE 0/2/3 and ZERO.

Racetrack bets are placed by clicking a specific number or Special bet pattern in the Racetrack. Chips are placed on the number/s given on the table where the player bets. Each x of these bets acts as a straight (one number) or a split bet. In this illustration, the player has placed a straight bet on number 31 and a neighbour bet with a spread of 3 (the full bet placed is equivalent to 7 straight bets). The mouse pointer remains over the bet and the bet remains highlighted on the table.



Billboard in result-mode



Billboard in bet-mode



Betting help

Billboard

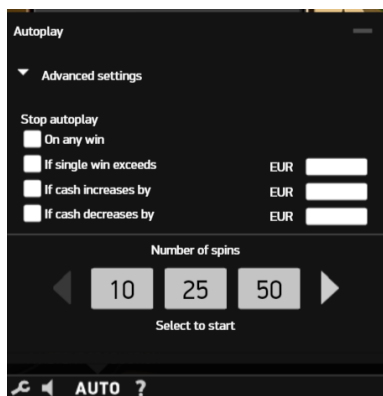
An innovative Billboard is one of the advanced features available to the players of Roulette Advanced™. The Billboard has two modes: bet-mode and result-mode. In bet-mode, the Billboard displays the latest Roulette casino statistics and offers two unique bets: HOT NUMBERS and COLD NUMBERS. In result-mode, the Billboard displays a picture of the pocket, the winning number, and the result (Win or No win).

In this illustration, the Billboard in result-mode displays the winning number 26, and notifies the player that they won €36. The Billboard in bet-mode displays statistics across all the online Casino's Roulette tables for HOT NUMBERS, COLD NUMBERS, odd, zero, even, red, green, and black numbers.

Betting Help

Betting assistance through highlights and mouse over help inform and guide players when placing bets on the Roulette table or through the SPECIAL BETS and FAVORITE BETS panel, Racetrack and Billboard.

In this illustration, the player has placed a €1200 bet, and is trying to place an additional dozen bet 3rd 12. The numbers 25 to 36 are highlighted on the table and the mouse over help text "3rd 12 Bet: €1200.00, 3rd 12 bet cannot exceed €1200.00" is displayed.



Advanced autoplay settings



Branding options

Advanced Autoplay Settings

Roulette Advanced™ features an advanced Autoplay mode that gives players an option to select the number of game spins to play as well as specific conditions when Autoplay should be stopped. The following advanced settings are available for Roulette Advanced™ players:

- **On any win.** Stop Autoplay when you win in a round.
- **If single win exceeds.** Stop Autoplay when the amount you win exceeds or equals the amount you specify.
- **If cash increases by.** Stop Autoplay if cash increases by the amount you specify.
- **If cash decreases by.** Stop Autoplay if cash decreases by the amount you specify.

Branding

In the following illustration of Roulette Advanced™, note the free space on the top of the Roulette table. In this space, a company logo can be placed. In addition, the colour of the table cloth can be changed to match the company profile.

This illustration also shows the placement of the Racetrack, SPECIAL BETS and FAVORITE BETS panel, and the Billboard in result-mode. The 'dolly' is also placed on the winning number and the table has been cleared of losing bets.

Payout Summary

GAME RETURN TO PLAYER (RTP)
97.30%

MAXIMUM WIN - EUR
Default:

- 46200

Note: The maximum win of a game round is higher than the maximum coinciding win, since a game round may include several spins.

Paytable

| INSIDE BETS | | OUTSIDE BETS | |
|------------------------------|------|--|-----|
| Straight | 35:1 | Left, Middle or Right Row (<i>Column</i>) | 2:1 |
| Split | 17:1 | 1st 12, 2nd 12 or 3rd 12 (<i>Dozen</i>) | 2:1 |
| Three Line (<i>Street</i>) | 11:1 | 1-18 (<i>Low</i>) or 19-36 (<i>High</i>) | 1:1 |
| Corner (<i>Square</i>) | 8:1 | Red or Black | 1:1 |
| Six Line | 5:1 | Odd or Even | 1:1 |

Randomisation

RANDOM NUMBER GENERATOR (RNG)

The algorithm used for random number generation (RNG) is Fortuna, a cryptographically secure pseudorandom number generator (PRNG) devised by Bruce Schneier and Niels Ferguson. For more information, see the document Random Number Generation.

The Random Number Generator and its implementation has been tested and approved/certified for randomness according to prevailing industry standards by an accredited, independent, 3rd party test facility.

ALGORITHM FOR A RANDOM ROULETTE NUMBER

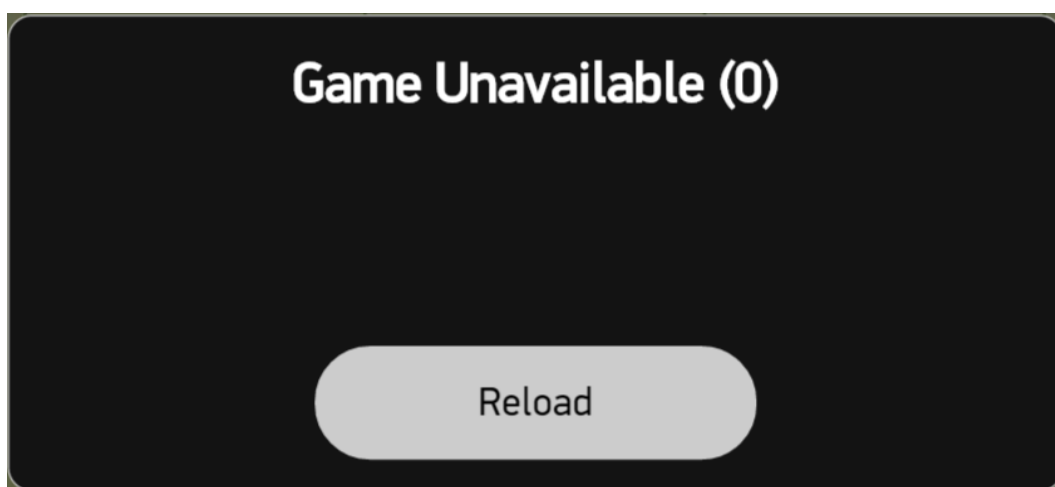
A reel represents an array of symbols where each symbol has an index ("a position").

1. A random number between 0 (zero) and the length of the roulette wheel is acquired.
2. The random number is added to the game as "the number to use".

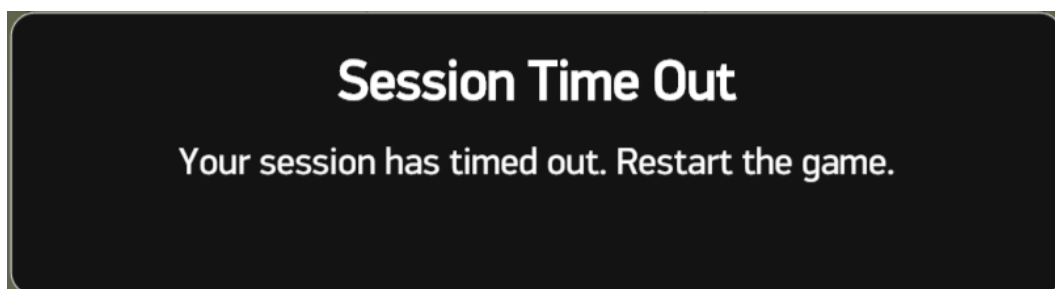
Malfunction Management

If a player attempts to access a game using an invalidated session, (for example, due to inactivity or system restart) an error message is displayed in the game. The player can then log on again and resume game play. The game state is always stored so the player can resume game play exactly where he or she left off.

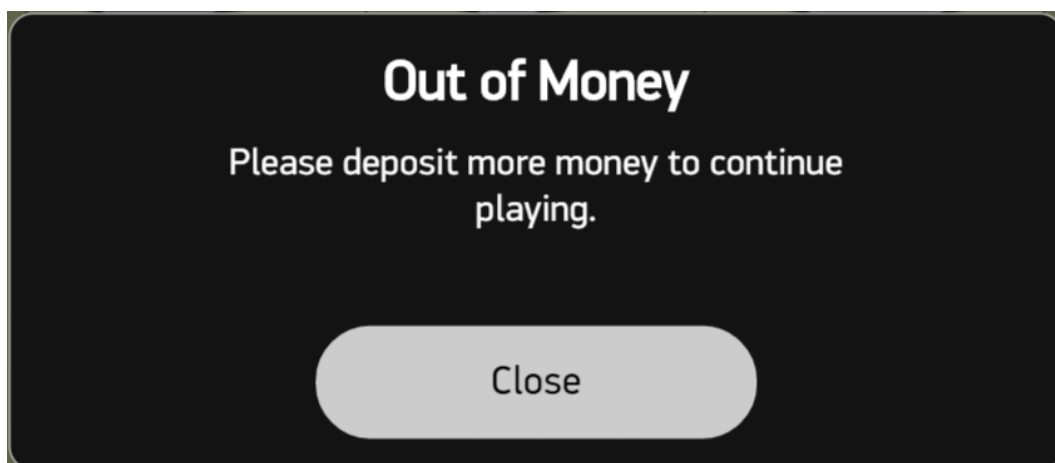
In case of an HTTP error, network timeout or server error a "technical error" message will be displayed to the player and the game will stay in an "unavailable" state until the player reloads the game at a time when the game becomes available.



If a session times out, a "session timeout" message will be displayed to the player and the game will stay in an "unavailable" state until the player reloads the game.



In case of an "out of money" event, an "out of money" message will be displayed to the player and the game will stay in an "unavailable" state until the player reloads the game.



(Italy jurisdiction only) Further information on management of malfunctions is also described in section 3.2.1 of the Gaming Platform (Progetto Della Piattaforma Di Gioco) document. This document provides details on how a player is informed of balance return payments and the technical process.

Information regarding session timeouts and malfunctions is provided to the player via the game rules. Specifically, the player is informed that "In the event of malfunction of the gaming hardware/software, all affected game bets and payouts are rendered void and all affected bets refunded."

Information to the Player

Players receive a response required message every hour of continuous play: They cannot continue playing unless they respond to the message which provides them with details about the amount bet and won so far during game play.

Players also have access to their game session history and game rules from within the game at all times.

Game Simulation

A demo version of the game is available at <http://www.netent.com/games/>

DOCUMENT VERSION HISTORY

Roulette Advanced™ Game Sheet
Version 1.0, 2017-07-11

| VERSION | WHEN | WHAT |
|---------|------------|----------------|
| 1.0 | 2017-07-11 | First version. |