

EUROPEAN ROULETTE™

Game Type: Table Game

Return to Player: 97,30%

NetEnt™ presents another engaging table game from the Roulette series, European Roulette. European Roulette™ provide partners a competitive edge with this popular online roulette game. The attractive table and the interactive design provides a world class experience to the players and makes the game easy for every player.



Game Sheet Version: 1.1
Date: 2018-05-04

NETENT

ABOUT EUROPEAN ROULETTE

GENERAL INFORMATION	
Game Type	Table Game
Chip Values (€)	Default values: 0.1, 0.5, 1, 2, 5, 10, 25, 50, 100, 500, 1 000
Min / Max Bet (€)	Default: 0.1 / 5 000
GAME FEATURES	
	<ul style="list-style-type: none"> • Special bets panel • Hot and Cold numbers • Dynamic billboard • Racetrack • Favourite Bets • Autoplay
PAYOUT	
Return to Player	97,30%
Maximum Win (€)	Default: 46200.0
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	europeanroulette3_not_mobile (basic wallet) europeanroulette3_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 DESIGN



Game table

Game Theme and Graphics

European Roulette™ offers standard branding options available in other popular NetEnt table games. The game provides standard roulette inside and outside bets. In addition, the game also offers call bets, special and favorite bet types. The players also get to experience advanced features like roulette racetrack and statistical billboard.

The game features like, bet highlighting and mouse-over assist players to place their bets on the table. These features inform players about what bets have been placed, the maximum and minimum bets that can be placed, and also, when a bet has exceeded the table limit.



Placing bets

Placing Bets

Players can choose from inside bets, outside bets, racetrack bets, or place combinations of the three. Inside and outside bets are made by placing chips directly on the roulette table.

When the player places a chip in the betting area, the numbers included in the bet are highlighted and a small information window displays the minimum and maximum bet restrictions. Once the bet is placed, the content of the window change to show the value of chips currently placed on that bet and the payout in case of a win.

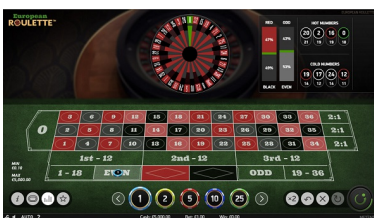


Racetrack

Racetrack

European Roulette™ features a Racetrack that gets displayed on the left of the roulette wheel, when players click the racetrack button in the keypad area. The numbers on the Racetrack represent the sequence of numbers on the roulette wheel. Players can use the Racetrack to place straight bets, neighbor bets, call or special bets like TIERS, ORPHELINS, VOISINS, ZERO.

Racetrack bets are placed by clicking a specific number or special bet pattern in the Racetrack and the numbers associated with the selected bets are highlighted on the table.



Billboard

Billboard

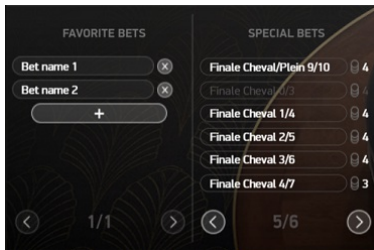
European Roulette™ also features a Statistical Billboard that gets displayed when players click the statistics button in the keypad area. The Billboard displays the game round results, wheel statistics, HOT and COLD numbers, and bar charts. Players can make straight bets on HOT and COLD numbers, Red/Black, Even/Odd numbers and on the statistics wheel, or make outside bets by placing chips directly on the various sections of the billboard.

Wheel statistics: This section of the panel displays the

distribution of the winning numbers for the last 500 rounds.

HOT and COLD numbers: This section displays the 4 most and least drawn numbers in the last 500 spins. The second row shows how many times the hot numbers were drawn in the last 500 spins.

Bar charts: This section of the panel lists Red/Black and Even/Odd bets and displays the percentage of game rounds that ended with either result, including 0.

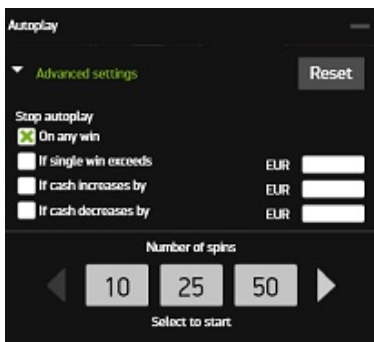


SPECIAL BETS and FAVORITE BETS panel

Special Bets and Favorite Bets

The SPECIAL BETS and FAVORITE BETS panel is used to place Roulette 'announce' or 'call' bets. It is displayed when players click the favorite bets button in the keypad area. When this panel is open, all available special bets are listed in the SPECIAL BETS panel. Players can scroll through the pages of the special bets list using the arrows at the bottom of the panel. When players place the mouse over a special bet, the game highlights the bet numbers on the table.

The game also has a FAVORITE BETS panel 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 panel and select a bet from the saved list. On selecting the bet, all chips are automatically placed on the table.



Advanced autoplay settings

Advanced Autoplay Settings

The advanced Autoplay mode gives players the 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 the players:

- **On any win:** Stops Autoplay when a player wins in a round.
- **If single win exceeds:** Stops Autoplay when the amount a player wins exceeds or equals the amount specified.
- **If cash increases by:** Stops Autoplay if cash increases by the amount a player specifies.
- **If cash decreases by:** Stops Autoplay if cash decreases by the amount a player specifies.

Auto Adjust Bet

This feature automatically adjusts the bet to the highest possible amount, if a bet exceeds the bet limit or table limit. If the bet consists of several bet positions, it will be scaled down proportionally over the included bet positions. If the scaled down bet is too small to cover all desired bet positions, chips will be placed on as many of these positions as possible.

If all desired bet positions cannot be covered, the game will randomly choose which positions should receive the chips. Auto Adjust Bet can be activated from the Game settings menu.

PAYOUT

Payout Summary

GAME RETURN TO PLAYER (RTP)

97,30%

MAXIMUM WIN (€)

Default: 46200.0

Paytable



Bet	Payoff
Straight	35:1
Split	17:1
Three Line (Street)	11:1
Corner	8:1
Six Line	5:1
Column	2:1
Dozen	2:1
Red/Black	1:1
Even/Odd	1:1
1-18/19-36	1:1

Paytable

ADDITIONAL INFORMATION

Randomisation

Random Number Generator (RNG)

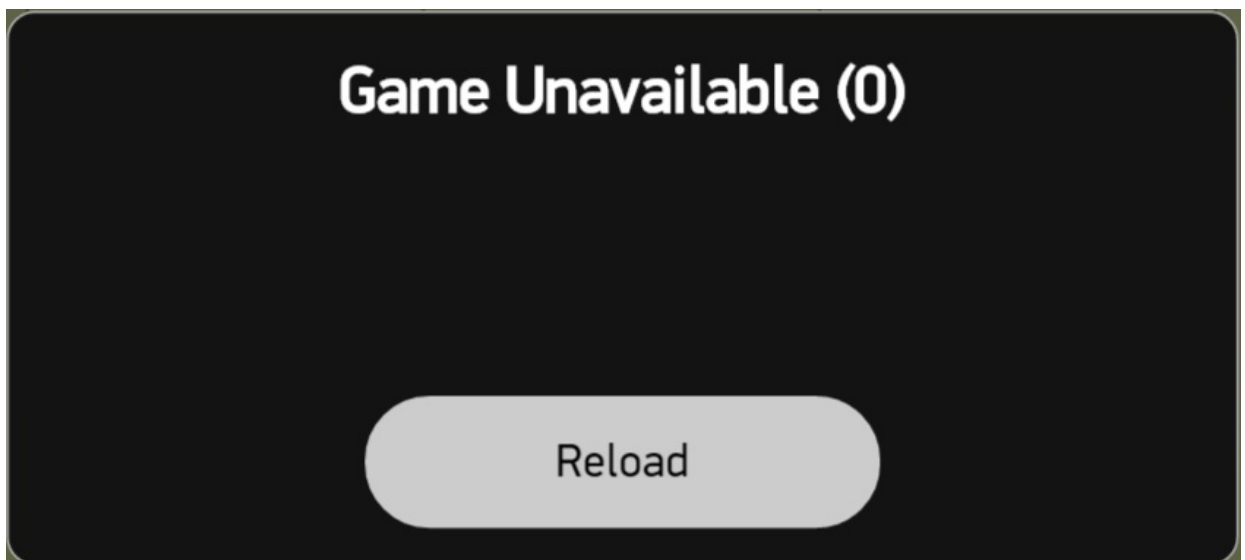
The algorithm used for random number generation (RNG) is Fortuna, a cryptographically secure pseudorandom number generator (PRNG) devised by Bruce Schneier and Niels Ferguson. For more information, see the document Random Number Generation.

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.

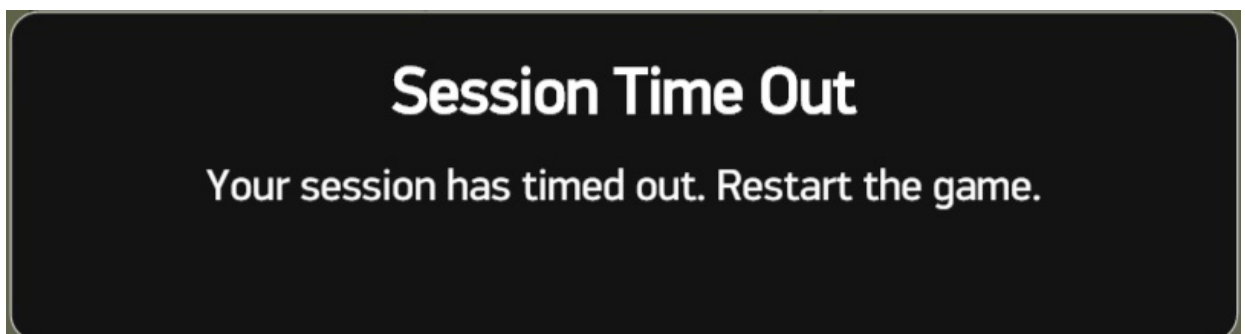
Malfunction Management

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.

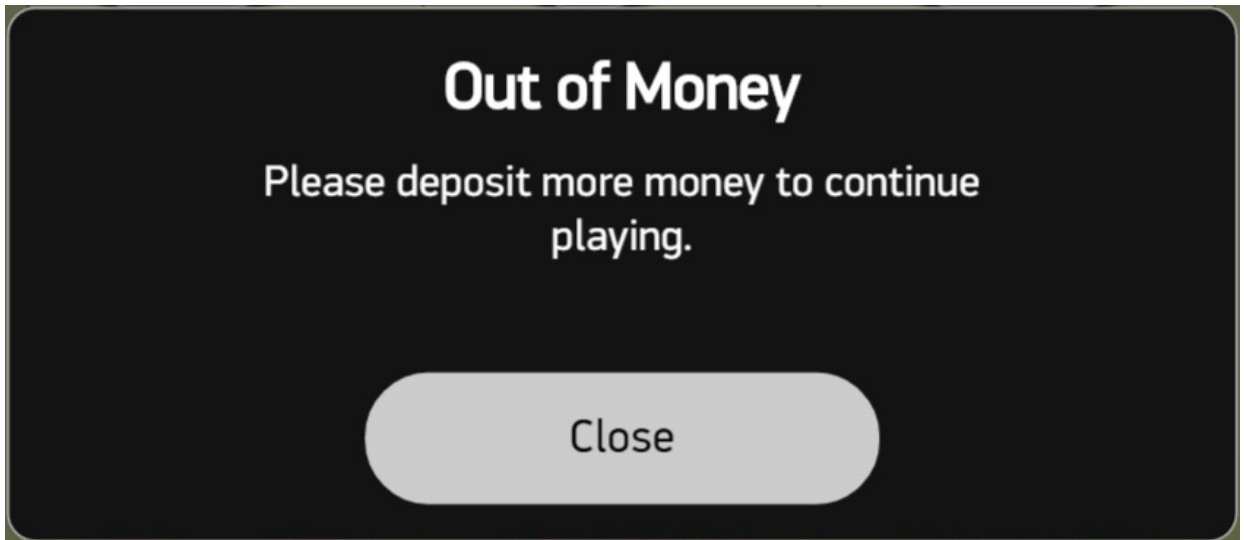
In case of an HTTP error, network timeout or server error a "technical error" message will be displayed to the player and the game will stay in an "unavailable" state until the player reloads the game at a time when the game becomes available.



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

VERSION	WHEN	WHAT
1.1	2018-05-04	Updated maximum win value.
1.0	2018-04-20	First version.