

ROBIN HOOD: SHIFTING RICHES™

Game Type: Video Slot Game
Return to Player: 96.8%

Yet again Net Entertainment shows it is at the forefront of video slot innovation by launching the Shifting Reels™ feature in Robin Hood: Shifting Riches™. In this game, a 5 reel, 3 row, 20 bet line video slot, player's need not fear a walk in Sherwood Forest. Robin Hood and his band of merry men are doing their very best to help them win as they target and ambush the Guards transporting the riches for their master.



GENERAL INFORMATION	
Game Type	Video Slot Game
Reel Type	Shifting Reels™
Reels, Lines	5 reels, 3 rows, 20 bet lines (fixed)
Default Bet Levels	1-10
Default Coin Values (€)	0.01, 0.02, 0.05, 0.10, 0.20, 0.50
Default Min / Max Bet (€)	0.20 / 100
Default Free Round Values	1 bet level, 20 bet lines, €0.01 coin value (cost €0.20)
GAME FEATURES	
	<ul style="list-style-type: none"> • Money Bags randomly awarded and collected in treasure chests. • Free Spins that starts when a treasure chest is filled with 4 money bags. • Shifting Reels with increasing multiplier (x1, x2, x3, x5) for bet line wins.
PAYOUT	
Return to Player (%)	96.8
Default Maximum Win	€25 000 / 50 000 coins – on a single bet line
Hit Frequency (%)	35.6
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/coin values • G4 mode
TECHNICAL INFORMATION	
Game ID	robinhood (basic wallet) robinhood_sw (seamless wallet)
Game Version	1.0
Paytable Version	1.0
File Size (MB)	21.2
Screen Footprint	Optimised for 640x480 and 1024x768
Flash Player	Flash 10.0.42.34 or higher
Deployment	Refer to CasinoModule Help for information about launching CasinoModule games.



Robin Hood and his band of Merry Men

Game Theme & Graphics

In Robin Hood: Shifting Riches™, Net Entertainment, takes the traditional theme of Robin Hood and his band of merry men and does something sensational with it.

This 3D extravaganza brings life to Sherwood Forest and draws players into a virtual world where Robin Hood and his merry men fight to uphold justice by robbing from the rich to give to the poor. The theme of the game is set in the highly cinematic intro movie. The guards walk leisurely through the forest, loot in hand. In an instant Robin Hood emerges from the bushes, bow and arrow drawn at the ready. He takes aim and fires, hitting dead on target.

Maid Marion jumps from a tree, pinning a guard to a chest filled with gold. All the while Little John clears the way and helps Robin Hood to slip past with the spoils from their raid. Friar Tuck raises his beer in celebration as Robin Hood spreads gold amongst the crowd of waving hands.

In the main game, the reels shift into place, leaves rustle on the trees, grasses sway in the wind, and fallen leaves swirl around the chests and the reels. As the main characters land on the reels, they emerge from the symbols to remind the player of their role—everything from Maid Marion showing her weaponry skills by casting two daggers in the air, to Little John taking the Guard by the neck and showing him who is boss.

Each time a Money Bag is won, the reel moves aside to reveal Robin Hood in the forest holding the latest plunder. He then reaches down to place the bag into the chest below the reel. When 4 money bags are collected in a chest, the reels are moved aside and players are drawn with Robin Hood into Sherwood Forest as he raises the chest to his shoulders and runs along the road towards the town.




Video Slot Elements

Main Game

Players can select the coin value, number of bet lines and bet level before spinning the reels.

- **Shifting Reels™.** The traditional spinning reels of a video slot are replaced by ground breaking Shifting Reels™ that give the chance for consecutive wins with an increasing win multiplier in the same ground. After each bet line win, the reels shift one place to the right, and a new spinning reel replaces the leftmost reel. The increasing win multiplier on shifts rewards players by increasing winnings in both the main game and the Free Spins feature: Shifting Reels™ pay x2 on the first shift, x3 on the second shift, and x5 on the third and all subsequent shifts. The reels continue to shift as long as there are new bet line wins. When there are no new wins the reels stop shifting and the win multiplier for bet line wins returns to x1.
- **Win Celebration.** Special attention has gone into creating more exciting win presentations on the reels along with the progressive win count up. The spectacular Big Win presentation, where players can almost feel the golden coins flowing out of the reels, takes the celebration of winning to a new level.
- **Reel Spin Suspense.** In this game Net Entertainment continues to use a near win reel spin to provide additional excitement, heightened suspense and win anticipation.

- **Game Actions.** The buttons on the key pad perform the following game actions:

BET LEVEL	Clicking the left and right arrows increases and decreases the bet level (i.e. number of coins per bet line) by 1. To increase or decrease faster, the player can click and drag the slider below.
	Clicking the Spin button starts a game round at the current bet level and coin value.
MAX BET	Clicking this button changes the bet to the highest bet level and starts a game round.
COIN VALUE	Clicking the left and right arrows increases and decreases the coin value to the next level. To increase or decrease faster, the player can click and drag the slider below.
AUTOPLAY	Players can open the Autoplay options window by clicking this button.



Free Spins Extra Wild symbol



Regular Wild symbol

Wild Substitution

- **Robin Hood.** Shifting Riches™ features both a regular wild and an extra wild in Free Spins.
- **Regular Wild Substitution.** The regular wild symbol, in both the main game and the Free Spins feature, substitutes for all symbols; excluding the Money Bag symbol and the Free Spins symbol. In the main game, the Money Bag symbols turn into Wild symbols after the reels shift for the chance of more winning combinations.
- **Free Spins Extra Wild Substitution.** In Free Spins, one of the main characters - Robin Hood, Friar Tuck, Maid Marion, the Guard, or Little John - is selected to be the Extra Wild symbol. The Extra Wild symbol substitutes for all symbols except the Free Spins scatter symbol.



Free Spins intro

Money Bag Feature and Free Spins

Robin Hood: Shifting Riches™ has a Money Bag feature that triggers the Free Spins, where players have the chance for even bigger wins!

- **Money Bag Feature.** In the main game, each reel contains a Money Bag scatter symbol and a treasure chest below. When a Money Bag lands on a reel, the reel is drawn to the side, to reveal Robin Hood stealing a bag of riches and placing it into the chest below the reel. After the win the reels shift, the Money Bag symbol turns into the regular Wild symbol giving players a chance for additional substitution wins at the current shift



Free Spins coin value

multiplier. All money bags in chests not used to enter Free Spins are saved for one year after the player's last game round.

- **Free Spins Trigger.** 4 money bags in a single chest awards players with 10 Free Spins. Depending on the number of money bags in the chests, and the number of Money Bag symbols that appear on the reels, players can enter the Free Spins feature with more than one chest full of money bags. Each extra chest awards an additional 10 Free Spins.
- **Free Spins Feature.** The Free Spins feature begins as Robin Hood raises the closed chest filled with money bags to his shoulders and runs off into the distance, almost buckling under the weight. The scene shifts and Friar Tuck spins the reel to select one of the high value symbols as the Extra Wild symbol in Free Spins. Players then enter Free Spins, with a coin value that is based on the average of the bets placed when the money bags were collected. The same win multiplier applies to bet line wins on the Shifting Reels™ in Free Spins as in the main game. When Free Spins end, the number of coins won during Free Spins is converted back to the equivalent number of coins in the main game.
- **Free Spins Re-Trigger.** While the Free Spins feature uses a set of reels without Money Bag symbols, extra Free Spins are awarded when two or more Free Spin symbols appear on reels 3, 4, or 5. Two Free Spin symbols give 5 extra Free Spins, while 3 Free Spin symbols give 10 extra Free Spins.



Paytable

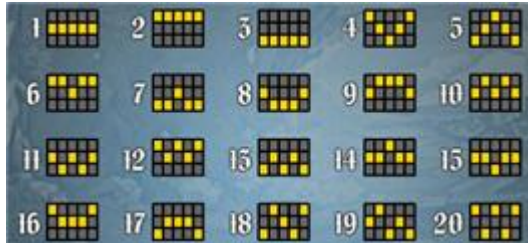
Paytable

Robin Hood: Shifting Riches™ has a six page paytable that displays the payout for each winning combination, including symbol combinations, Shifting Reels™ and the Free Spins feature. Left and right arrows move the player between the paytable pages.

- **Page 1.** Displays information about Shifting Reels™ and the Robin Hood Wild symbol.
- **Page 2.** Displays information about Money Bags and how the player can view information about the Free Spins coin value in the main game.
- **Page 3.** Displays information about Free Spins feature, and the Extra Wild Free Spins symbol.
- **Page 4.** Displays information about the medium win symbols: Robin Hood, Maid Marion, Little John, Friar Tuck, and the Guard.
- **Page 5.** Displays information about the low win symbols: A, K, Q, J, and 10.
- **Page 6.** Displays information about Free Spins feature, and the Extra Wild Free Spins symbol.

Bet Lines

Robin Hood: Shifting Riches™ uses the following 20 bet lines.



Payout Summary

GAME RETURN TO PLAYER (RTP)

- Total RTP: 96.8%
- Base RTP: 76.9%
- Free Spins RTP: 19.8%

HIT FREQUENCY

- Base Game: 35.6%
- Free Spins: 45.6%

MAXIMUM PAYOUT

- Main game: €25 000 / 50 000 coins - on a single bet line
- Free spins: €25 000 / 50 000 coins - on a single bet line
- Coinciding: €26 300 / 52 600 coins

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

PAYOUT RULES IN MAIN GAME

- Bet line wins are multiplied by the bet level.
- Wild symbols substitute for all symbols except Money Bag symbols and Free Spins symbols.
- Changes in the bet amount affects the coin value in Free Spins.
- Only the highest win per bet line paid.
- Bet line wins pay if in succession from leftmost to right.
- Simultaneous wins on different bet lines are added.
- 4 money bags in a single chest award 10 Free Spins. Each extra chest awards an additional 10 Free spins.

PAYOUT RULES IN FREE SPINS

- 2+ Free Spins symbols activate extra Free Spins.
- The Free Spins Coin Value is based on the average of the bets placed when the money bags were collected.
- Free Spins Extra Wild symbol substitutes for all symbols except the Wild and Free Spins symbols.

Paytable



Shifting Reels™

Reels shift after a bet line win for a chance at extra wins with an increasing multiplier up to x5.

Multipliers are awarded for each win on a shift.

Reel Shift	Multiplier
1	x2
2	x3
3+	x5

Wild



Substitutes for all symbols except




Only the highest win per active bet line paid
Bet line wins pay in succession from leftmost to right.
Malfunction voids all pays.

Paytable page 1



Money Bags



Collect 4 money bags in a chest to win Free Spins.

Money bag symbols turn into Wild symbols after the reels shift.





Money bags are saved for 1 year after your last game round.



Click a chest to see the bet level and coin value for each of the money bags collected.

The Free Spins coin value is based on this information.

For more details see the game rules.

Only the highest win per active bet line paid
Bet line wins pay in succession from leftmost to right.
Malfunction voids all pays.

Paytable page 2

Free Spins

Extra Wild

One of these symbols is selected as the Extra Wild during Free Spins

Substitutes for all symbols except

FREE SPINS

Extra Free Spins

2+ Free Spins symbols activate extra Free Spins.

FREE SPINS 2 +5 Free Spins
3 +10 Free Spins

Free Spins symbols appear on reels 3, 4, and 5.

Only the highest win per active bet line paid
Bet line wins pay in succession from leftmost to right.
Malfunction voids all pays.

Paytable page 3

Robin Hood

5	1000	5	750	5	250
4	300	4	100	4	50
3	15	3	15	3	10
2	2				

Maid Marian

5	250	5	125
4	50	4	30
3	10	3	7

Friar Tuck

Only the highest win per active bet line paid
Bet line wins pay in succession from leftmost to right.
Malfunction voids all pays.

Paytable page 4

Robin Hood
Shifting Riches

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<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td style="text-align: center;">A</td><td style="text-align: right;">5 75</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: right;">20</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: right;">7</td></tr> </table>	A	5 75	4	20	3	7	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td style="text-align: center;">K</td><td style="text-align: right;">5 50</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: right;">15</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: right;">5</td></tr> </table>	K	5 50	4	15	3	5	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td style="text-align: center;">Q</td><td style="text-align: right;">5 50</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: right;">15</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: right;">5</td></tr> </table>	Q	5 50	4	15	3	5
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Only the highest win per active bet line paid
 Bet line wins pay if in succession from leftmost to right
 Malfunction voids all pays

Paytable page 5

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 REEL POSITION

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 reel is acquired.
2. The random number is added to the game as "the new reel position to use".

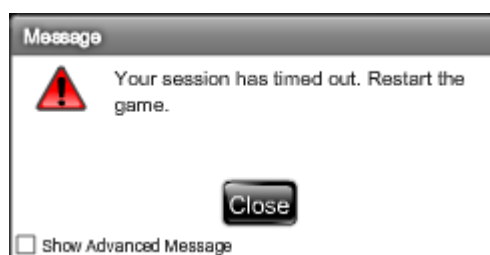
Malfunction Management

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.

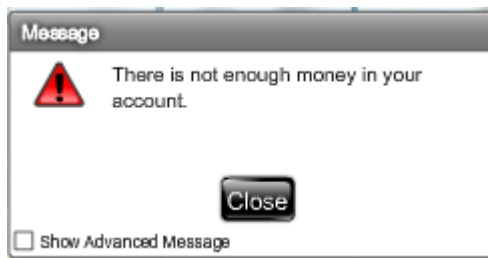
In case of an HTTP error, network timeout or server error a "technical error" message will be displayed to the player and the game will stay in an "unavailable" state until the player reloads the game at a time when the game becomes available.



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.



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

Robin Hood: Shifting Riches™ Game Sheet
Version 1.3, 2014-05-21

VERSION	WHEN	WHAT
1.3	2014-05-21	New generic layout.
1.1	2013-05-20	Updated layout.
1.0	2011-04-20	First version.