

KOI PRINCESS™

Game Type: Video Slot Game

Return to Player: 96.23%

Koi Princess™, the latest offering from NetEnt™, is the most feature-packed slot we have ever made! This memorable game has an Asian theme but players don't need to go all the way to the far east to experience all the features and so many different ways to have fun.

Koi Princess™ is a dynamic video slot with 5 reels and 20 lines that has Random Features enabled for 1 spin, exciting Bonus Features and a Bonus Bet mode.

Koi Princess™ keeps players on the edge of their seats as Random Features can appear unexpectedly during any spin in the main game. 3 Bonus symbols appearing in the main game activate 1 of 4 amazing Bonus Features: Sure Win Free Spins, Wild Reels Free Spins, Coin Win and the Bonus Wheel.



GENERAL INFORMATION	
Game Type	Video Slot Game
Reel Type	Spinning Reels
Reels	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, 1.00
Default Min / Max Bet (€)	0.20 / 400
Default Free Round Values	Bet level 1, 20 bet lines, €0.01 coin value (cost €0.20)
GAME FEATURES	
	<ul style="list-style-type: none"> • 5-Hit Random Feature • Random Wild Random Feature • Wild Reels Random Feature • Bonus Game Activation • Sure Win Free Spin • Wild Reels Free Spins • Bonus Wheel • Coin Win
PAYOUT	
Return to Player (%)	96.23
Default Maximum Win	€5 000 / 5 000 coins – on a single bet line
Hit Frequency (%)	28.74
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 coin values • Variable bet levels • G4 mode
TECHNICAL INFORMATION	
Game ID	koiprincess_not_mobile (basic wallet) koiprincess_not_mobile_sw (seamless wallet)
Game Version	1.0
Paytable Version	1.0
Display Resolution	1024x768
Aspect Ratio	16:9
Technology	HTML5 or higher
Deployment	Refer to CasinoModule Help for information about launching CasinoModule games.



Koi Princess™ graphics



Big Win

Game Theme and Graphics

With the incredible 4 Random Features and 4 Bonus Features, Koi Princess™ is a video slot that packs in more features than any other! Players will keep coming back to see if they can discover more.

The game will strike players with an exquisite Oriental theme and the brightly colored lucky charms. Traditional Japanese music provides a relaxing background to the game, and the joyful Princess stands by their side to give encouragement and support.

The Bonus Wheel will prove to be a favourite feature as players roll a dice to move around a wheel and collect prizes.

Main Game

Players can select the coin value and bet level before starting the game round.

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

	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 Activated/Deactivated Button activates or deactivates the Bonus Bet.
	Clicking the Spin button starts a game round at the current bet level and coin value.
	MAX BET plays the game at the highest bet level and the current 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.
	Clicking AUTOPLAY automatically plays the game for the selected number of rounds.



The Bonus Bet Feature

The Bonus Bet Feature

A Bonus Bet option can be activated for each spin. Activating this option doubles the cost of a spin.

Activating the Bonus Bet increases the probability of awarding a Random Feature as well as changing values on the Bonus Wheel and increases sure coin wins for Sure Win Free Spins.

The Bonus Bet does not change the current bet level and coin value. The Bonus Bet can be turned on and off only during the main game and on the Intro screen.



The Kois

Random Features

During every spin in the main game, one of 4 Random Features can be activated.

After the Random Feature is activated, the player can click on one of the 3 kois to see which Random Feature will be activated.

A Random Feature cannot be chosen automatically, even during Autoplay.

The 4 possible Random Features are: 5-Hit, Random Wilds, Wild Reels and Bonus Game activation.

Random Features can not be reactivated.



Random Features

The 5-Hit Random Feature

The 5-Hit Random Feature awards the player 1 spin with a guaranteed 5-Hit win with a random symbol and bet-line.



5-Hit

The Random Wild Random Feature

The Random Wild Random Feature awards the player 1 spin with between 4 and 9 overlay Wilds placed randomly on the reels.



Random Wilds

The Wild Reels Random Feature

The Wild Reels Random Feature awards a player 1 spin where between 2 and 5 reels become whole Wild Reels meaning an overlay Wild symbol covers the selected reels.



Wild Reels

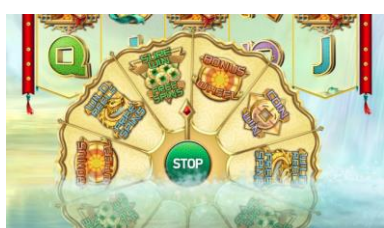


The Bonus Activation Random Feature

The Bonus Activation Random Feature

The Bonus Activation Random Feature awards a player 1 spin where 3 Bonuses, but no line wins, are presented with 1 Bonus Feature awarded.

Only one Random Feature can be activated per spin.



Bonus Features

Bonus Features

3 Bonus symbols appearing on reels 1, 3 and 5 award a random Bonus Feature. If 2 Bonus symbols are on the reels after a spin ends and any bet line wins are awarded, a 3rd Bonus symbol can be nudged onto the reels from outside the visible reel set, awarding a Bonus Feature.

To activate a Bonus Feature, click the designated area on the Bonus Feature Wheel that appears under the reels.

A Bonus Feature can also be activated subsequently from the awarding of a Random Feature.

The 4 Bonus Features are: Sure Win Free Spins, Wild Reels Free Spins, Coin Win and the Bonus Wheel.

Only one Bonus Feature can be activated per spin.

Bonus Features can not be reactivated.



Sure Win Free Spins

Sure Win Free Spins

Sure Wins Free Spins initially award 10 Free Spins.

During the Free Spins Feature, the win for each spin will be at least the same as the largest amount won during the Free Spins session, except for the first spin of the session. For this first spin the guaranteed win is the amount wagered by the player (20 coins multiplied by the bet level for the standard mode, 40 coins multiplied by the bet level for Bonus Bet mode).

For spins 1 to 5 during Free Spins, 1 overlay Wild is placed randomly on either reels 1, 2 or 3. After spin 5, an additional Wild is placed randomly on reels 3, 4 or 5. The positions of the random Wilds are re-drawn for each spin.

After each spin during Sure Win Free Spins the win is evaluated to see if it is higher than the guaranteed win.

If the win from a single spin during Sure Win Free Spins is less than or equal to the guaranteed amount, the guaranteed amount is awarded to the player instead.

If the win from a single spin is greater than the guaranteed amount, the greater amount is awarded to the player instead of the guaranteed win amount. An additional Free Spin is also awarded.

Additional Sure Win Free Spins won are automatically added to the current Sure Win Free Spins.



Wild Reels Free Spins

Wild Reels Free Spins

In Wild Reels Free Spins, a player is awarded 10 Free Spins. Additional Free Spins cannot be won during this Bonus Feature. During the Wild Reels Free Spins feature, for each spin, between 1 and 5 random reels will be covered with overlay Wild symbols. The number of Wild Reels and their positions on the reels are re-drawn after each spin.



Coin Win

Coin Win

The Coin Win Bonus Feature awards the player an instant coin win. The instant coin win amount is the current bet multiplied by a random multiplier (x15 - x30).



Bonus Wheel

Bonus Wheel

The Bonus Wheel is a Bonus Game where the player can win coins and activate the 2 Bonus Feature Free Spins game modes (Wild Reels Free Spins and Sure Win Free Spins).

The Bonus Wheel is a 3-tiered wheel with each tier divided into 12 locations. The player clicks the dice to move around the wheel.

The starting point for the player on the Bonus Wheel is on the outer tier at the 9 o'clock position. The player clicks the dice and the wheel rotates counter-clockwise corresponding to the number indicated on the dice.

When the wheel stops on a symbol, an action is taken depending on the symbol landed on.

The different symbols on the Bonus Wheel are: Start, x1 (when Bonus Bet is activated), x2, x3, x5, Double Up, Collect, Arrow, Wild Reels Free Spins/Sure Win Free Spins and Jackpot Coin Win.

The Start symbol is the starting point for the player. After the first roll of the dice, this symbol transforms into an arrow.

The x1, x2, x3 and x5 symbols award coin wins that are 2, 3 or 5 times the total bet.

The Double-up symbol doubles all coin win multiplier amounts (except for coins already won) shown on the wheel, including jackpot figures. This will be shown graphically on the wheel. Landing on more than 1 Double-up symbol during the Bonus Game doubles the amounts again. After a Double-up symbol has been activated, it transforms into an arrow symbol.

The Collect symbol ends the Bonus Game.

The Arrow symbol moves the Bonus Game 1 tier inwards on the wheel. If the arrow is located on Tier 3, the Jackpot Coin Win is awarded.



The Bonus Game

The Wild Reels Free Spins/Sure Win Free Spins symbol ends the Bonus Game and additionally awards either the Wild Reels Free Spins or Sure Win Free Spins.

The Jackpot Coin Win symbol is located in the centre of the Bonus Wheel, and is displayed as a multiplier (the multiplied bet is the bet that activated the Bonus game). The multiplier value is chosen randomly for each Bonus Wheel round.

The minimum and maximum Jackpot multiplier values are x25 and x1000 (with two double ups) respectively.

The Jackpot Coin Win symbol awards the player the Jackpot Coin Win and ends the Bonus Game.

At the end of Bonus Game, the total win from the Bonus Game is added to any wins from the round that activated the Bonus Game.

Bet Lines



Payout Summary

GAME RETURN TO PLAYER (RTP)

Without Bonus Bet:

- Total: 96.00%
- Main Game: 45.30%
- 5-Hit Random Feature: 6.66%
- Random Wild Random Feature: 8.72%
- Wild Reels Random Feature: 7.42%
- Sure Win Free Spins: 11.27%
- Wild Reels Free Spins Bonus Feature: 5.20%
- Bonus Wheel Bonus Feature: 9.34%
- Coin Win: 3.38%

With Bonus Bet:

- Total: 96.23%
- Main Game: 21.93%
- 5-Hit Random Feature: 8.42%
- Random Wild Random Feature: 12.79%
- Wild Reels Random Feature: 11.83%
- Sure Win Free Spins Bonus Feature: 14.91%
- Wild Reels Free Spins Bonus Feature: 7.07%
- Bonus Wheel Bonus Feature: 14.78%
- Coin Win: 6.23%

HIT FREQUENCY

Without Bonus Bet:

- Any win: 27.14%
- Any feature: 1.66% (1 in 60)

With Bonus Bet:

- Any win: 28.74%
- Any feature: 4.29% (1 in 23)

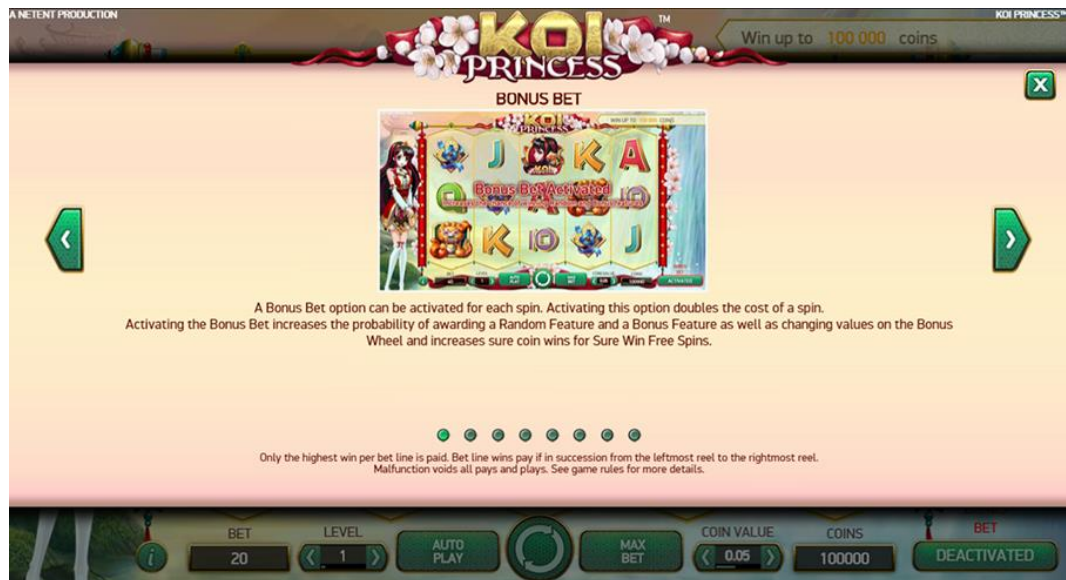
MAXIMUM PAYOUT

- Main game: €5 000 / 5 000 coins - on a single bet line
- Coinciding: €200 000 / 200 000 coins

PAYOUT RULES IN MAIN GAME

- Bet line wins pay if in succession from the leftmost to the rightmost reel.
- A bet line win in coins is equal to the value shown in the PAYTABLE multiplied by the bet level. This amount is also multiplied by any applicable multipliers.
- A bet line win in currency is equal to the win in coins multiplied by the coin value.
- Only the highest win per bet line is paid.
- Simultaneous wins on different bet lines are added.
- All coin wins pay on bet lines only, except for wins during the Bonus Wheel in the Bonus Feature mode.
- Random Features and Bonus Games are played at the same bet level and coin value as the round that activated them.

Paytable



Paytable page 1



Paytable page 2

BONUS FEATURES

3 Bonus symbols appearing on reels 1, 3 and 5 award a random Bonus Feature. If 2 Bonus symbols are on the reels after a spin concludes and any bet line wins awarded, a 3rd Bonus symbol can be nudged onto the reels from outside the visible reel set, awarding a Bonus Feature. A Bonus Feature can also be activated subsequently by the awarding of a Random Feature (see Random Feature section for full explanation). The 4 Bonus Features are: Sure Win Free Spins, Wild Reels Free Spins, Coin Win and the Bonus Wheel.

Only the highest win per bet line is paid. Bet line wins pay if in succession from the leftmost reel to the rightmost reel. Malfunction voids all pays and plays. See game rules for more details.

BET: 20, LEVEL: 1, AUTO PLAY, MAX BET, COIN VALUE: 0.05, COINS: 100000, BET: DEACTIVATED

Paytable page 3

SURE WIN FREE SPINS

In Sure Win Free Spins, the player is initially awarded 10 Sure Win Free Spins. During this Sure Win Free Spins Feature the win for each spin will be at least the same as the largest amount won during the Sure Win Free Spins session except for the first spin of the session where the sure win is the amount wagered by the player (20 coins multiplied by the bet level for the standard mode, 40 coins multiplied by the bet level for Bonus Bet mode).

WILD REELS FREE SPINS

In Wild Reels Free Spins, the player is awarded 10 Wild Reels Free Spins. Additional Wild Reels Free Spins cannot be won during this Bonus Feature. During the Wild Reels Free Spins feature, for each spin, between 1 and 5 random reels will be covered with overlay Wild symbols. Their amount and/or position on the reels is re-drawn after each spin.

Only the highest win per bet line is paid. Bet line wins pay if in succession from the leftmost reel to the rightmost reel. Malfunction voids all pays and plays. See game rules for more details.

BET: 20, LEVEL: 1, AUTO PLAY, MAX BET, COIN VALUE: 0.05, COINS: 100000, BET: DEACTIVATED

Paytable page 4

BONUS WHEEL

The Bonus Wheel is a Bonus Game where the player can win coins and activate the 2 other Bonus Feature Free Spins game modes (Wild Reels Free Spins and Sure Win Free Spins).

The Bonus Wheel is a 3-tiered wheel with each tier divided into 12 locations. The player clicks the dice to move around the wheel.

The different symbols on the Bonus wheel are: Start, x1 (when Bonus Bet is activated), x2, x3, x5, Double Up, Collect, Arrow, Wild Reels Free Spins/Sure Win Free Spins and Jackpot Coin Win.

COIN WIN

The Coin Win Bonus Feature awards the player an instant coin win.

Only the highest win per bet line is paid. Bet line wins pay if in succession from the leftmost reel to the rightmost reel. Malfunction voids all pays and plays. See game rules for more details.

BET: 20, LEVEL: 1, AUTO PLAY, MAX BET, COIN VALUE: 0.05, COINS: 100000, BET: DEACTIVATED

Paytable page 5

SYMBOL PAYOUT VALUES

5 500	5 400	5 300	5 250	5 200
4 300	4 200	4 150	4 100	4 75
3 100	3 40	3 30	3 20	3 20
2 4	2 2			

Only the highest win per bet line is paid. Bet line wins pay if in succession from the leftmost reel to the rightmost reel. Malfunction voids all pays and plays. See game rules for more details.

BET: 20, LEVEL: 1, AUTO PLAY, MAX BET, COIN VALUE: 0.05, COINS: 100000, BET: DEACTIVATED

Paytable page 6

NETENT PRODUCTION Koi Princess™ Win up to 100 000 coins

KOI PRINCESS™

SYMBOL PAYOUT VALUES

	A	K	Q	J	10
	5 160	5 140	5 120	5 110	5 100
	4 50	4 40	4 30	4 25	4 20
	3 10	3 10	3 5	3 5	3 5

Only the highest win per bet line is paid. Bet line wins pay if in succession from the leftmost reel to the rightmost reel.
 Malfunction voids all pays and plays. See game rules for more details.

BET: 20 LEVEL: 1 AUTO PLAY MAX BET COIN VALUE: 0.05 COINS: 100000 BET: DEACTIVATED

Paytable page 7

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

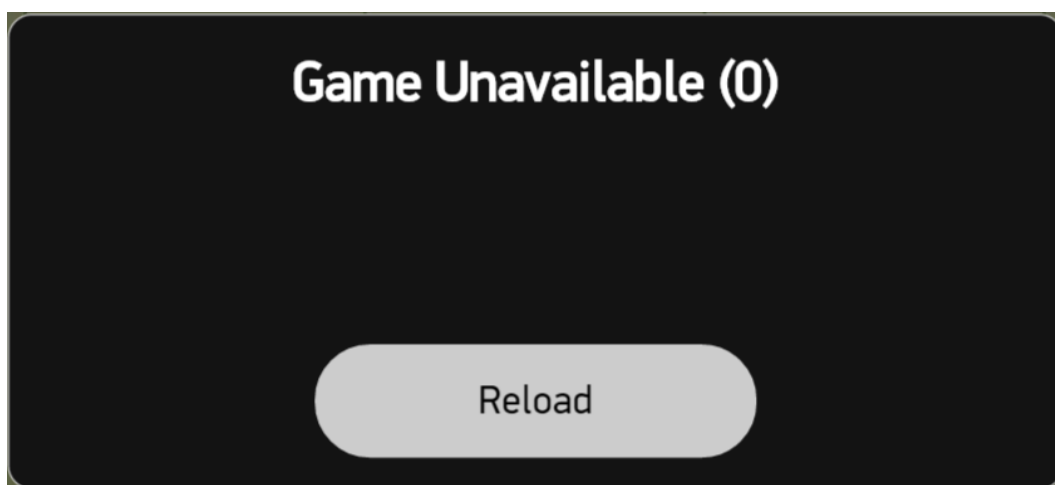
A reel represents an array of symbols where each symbol has an index ("a position").

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".

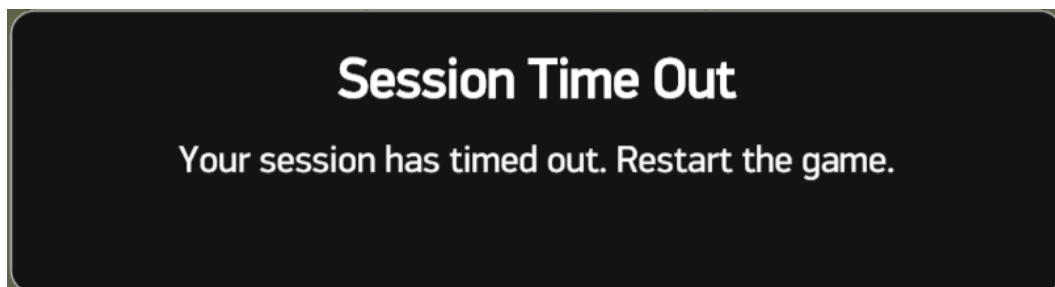
Malfunction Management

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.

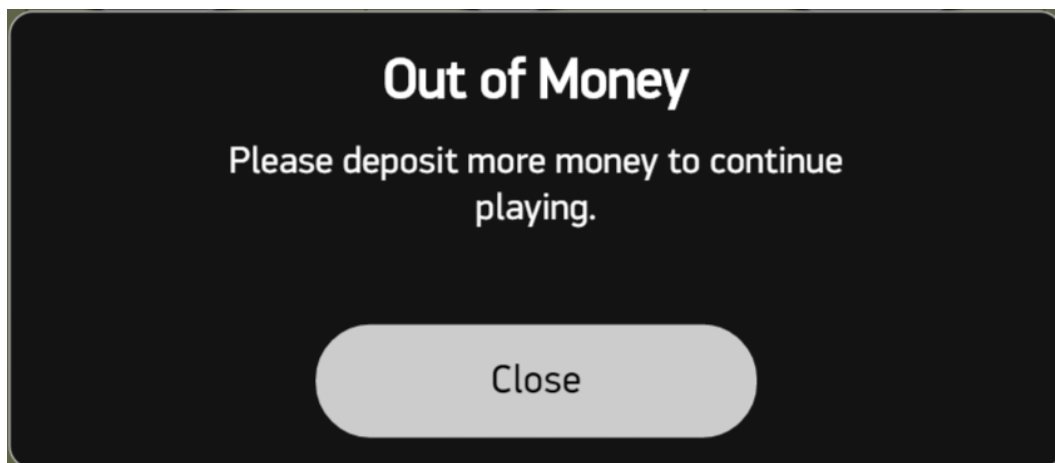
In case of an HTTP error, network timeout or server error a "technical error" message will be displayed to the player and the game will stay in an "unavailable" state until the player reloads the game at a time when the game becomes available.



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.



(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

Koi Princess™ Game Sheet
Version 1.1, 2015-11-09

VERSION	WHEN	WHAT
1.1	2015-11-09	Changes to the max bet.
1.0	2015-10-13	First version.