



QUANTUM™ BLACKJACK PLUS INSTANT PLAY



May 2021

Available on 

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Business Summary

Play up to 5 hands against the dealer in this spin on the classic card game. Optimize your strategy by splitting certain hands. Each round, up to 5 cards are revealed that multiply your win by up to $\times 1000$ when present in your hand. The more multiplier cards you hold, the bigger your win!

The Quantum™ Blackjack Plus Instant Play Desktop table game is available in the following formats:

- ✓ 768 x 504 pixels Minimum to 1600 x 878 pixels Maximum HD format for the NFM (Desktop) platform.
- ✓ 1152 x 720 pixels HD format for the Download client platform.
- ✓ As a mobile version (NGM) on all supported mobile devices.

Quantum™ Blackjack Plus Instant Play is played on smartphones and tablets in portrait and landscape modes.



This game supports Golden Chip (GC).



For information on supported mobile devices, see the NGM Games section in **Playtech Mobile Platform Supported Devices** document compatible with the Mobile Platform release you are using.

The [Default Game Limits and Configuration](#) section provides important information on how to configure game limits to control house exposure.



Game Details

Game Code	qbjp
RTP	99.68%
Theoretical RTP for the 21+3 side bet	95.38%
Theoretical RTP for the Player's/Dealer's pairs side bet	93.89%

Business Case

- Special multiplier cards can multiply wins by up to $\times 1000$
- Players can play up to 5 hands in a single round.
- Player's Pair and 21+3 side bets offer more advanced play.
- The game is made for both mobile and desktop devices.
- Casino art-style and classic gameplay appeal to players everywhere.



Game Overview

Game Rules

- Up to 6 hands of cards are used, 5 for the player and 1 hand for the dealer. After each round, used cards are returned to the deck and the deck is shuffled.
- Insurance, Double and Split require an additional bet. If a player's balance does not have enough money to cover these bets, a bigger deposit is required.
- The player may not split a split hand.
- The player may not draw any additional cards for two split Aces.
- The player may double after splitting.
- Aces count as either 1 or 11, face cards count as 10 and number cards count at their face values.
- Ace and a 10-point card in a split hand are considered 21.
- Blackjack pays 1.5 times the bet amount (3 to 2).
- The dealer draws an additional card when the total of the dealer's cards is 16 or less and stands when the total is 17 or greater (including soft 17s). The dealer does not draw when the player is "bust". If the dealer's first card is an Ace, the player doubles, and the dealer gets Blackjack, the player loses both bets.
- If the dealer's first card is of value 10, the player doubles, and the dealer gets Blackjack, the double bet is returned to the player.
- Blackjack beats a score of 21.
- If the total value of the player's cards is closer to 21 than the dealer's after the dealer has stopped taking cards, the player wins the bet amount (1 to 1).
- If the total of player's cards is more than 21, their hand is 'bust', and they automatically lose the bet for that hand.
- If the dealer busts with 3 cards, the round will result in a push and the player will get their main bet back, unless the player has a special card with a win multiplier. Then the player will still get paid the bet amount multiplied by the win multiplier. Another exception to this rule is if the player is dealt Blackjack when the dealer busts with 3 cards. In this case, the player would win the normal 3:2 payout.
- If the player and the dealer have the same point total (17 to 21), nobody wins.

Buttons

DEAL - Deal the cards.

CLEAR BETS - Clear the table of all bets.

UNDO - Remove your last bet.

HIT - Draw one more card.

STAND - Draw no more cards and end your turn.

DOUBLE - If no cards have been dealt yet, this button doubles all bets on the table. If cards have been dealt, this button doubles the bet on the selected hand and requests a third and final card.

ACCEPT/DECLINE – Determines if the bet on the selected hand is insured against the dealer having Blackjack.

ACCEPT ALL – Accepts Insurance for all hands against the dealer having Blackjack.

DECLINE ALL – Declines Insurance against the dealer having Blackjack and skip bet protection for the current hands.

SPLIT - Split the hand into two.



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REBET - Place the same bets as in the previous round.

REBET & DEAL - Place the same bets as in the previous round and deal the cards.

DOUBLE & DEAL - Double your bets from the previous round and deal the cards.



Game Features

Quantum™ Blackjack Plus Instant Play Win Multiplier

After making a bet, 3 or 5 special cards are randomly selected from a single deck of cards and will be shown beside the table. Each special card is assigned a win multiplier. The available win multipliers are $\times 2.5$, $\times 3$, $\times 5$, $\times 10$.

Note: There are 2 special rounds that can trigger randomly on any round: **Quantum Power** and **Quantum Ultra**. When the Quantum Power round is triggered, 5 special cards are chosen, and a multiplier of $\times 200$ is applied to all of them. When the Quantum Ultra round is triggered, 1 special card is chosen, and a multiplier of $\times 1000$ is applied to it.

If the player's winning hand contains more than 1 special card, their bet for that hand is multiplied by the value of the win multipliers added together.

Note: if the player receives 2 identical cards in their hand, the multiplier value is applied only once (for example: if one 4 of Hearts $\times 5$, then two 4 of Hearts continue to multiply by $\times 5$).

Doubled-down bets are multiplied by the corresponding win multipliers. For example, the player's initial bet is 10 and they double down, raising the bet to 20. They have a special card in their hand with a win multiplier value of $\times 5$. If this hand wins, the player is paid $20 \times 5 = 100$.

If they split a hand and each new hand has a special card, each hand's bet is multiplied by the win multiplier shown on the special card in that hand.

When a player wins a bet with a special card multiplier, the payout is multiplied by the value shown on the special card.

Note: The win multipliers apply only for the main bets. Side bets wins are calculated by the regular rules. If the player has a special card in their hand that also combines a side bet, then the side bet payout is not affected by the multiplier, it is paid out according to the regular paytable.

Splitting

When a player is dealt 2 cards with equal values they have the option of "splitting" them into 2 separate hands. In order to split, an additional bet equaling the original bet must be placed. Additional cards will be drawn to each of the hands. The player may draw additional cards for each split hand, except for when the split hands contain Aces. If the player receives an Ace and a 10-value card in a split hand it is considered 21 and not Blackjack.

Doubling

A player can double their bet on a hand after the first two cards are dealt. The bet amount becomes twice the original (with the difference taken out of the player's balance), and the player is dealt one more card. Doubling is possible on all the player's hands and after splitting a pair. No additional cards can be drawn for a doubled hand.

Insurance

When the dealer's face-up card is an Ace the player is offered insurance. Taking insurance entails making a bet, equal to half the size of the original bet, that the dealer's face-down card is a 10-value card. If this is the case, the player is paid 2 to 1 on the insurance bet and the initial bet loses as it is beaten by the dealer's Blackjack. If the dealer does not have Blackjack the insurance bet is lost, and the hand is played out as normal.

10-Card Charlie



It is theoretically possible for the player to draw 10 cards without going bust. In this case, the player's hand automatically wins, except when the dealer has Blackjack. 10-Card Charlie is also applicable on a split hand.

Side Bets

In addition to the regular betting positions, a player can also wager on **Player's Pair** and **21+3** side bets. A side bet is a wager which is made beyond the regular game bet to get an extra win even if the player's regular game hand does not win. The side bet payout depends on the combination that the cards form.

A **Player's Pair** side bet can be placed for each of the player's hands that has a regular bet placed on it. The **Dealer's Pair** side bet can be placed near the dealer's hand once per game round. This type of side bet wins when the first two cards in the hand form a Perfect Pair, a Colored Pair or a Red/Black Pair.

- The **Perfect Pair** side bet pays out according to the paytable if the first 2 Player or Dealer cards form a pair of the same suit, for example, a pair of 4 of Diamonds.
- The **Colored Pair** side bet pays out according to the paytable if the first 2 Player or Dealer cards form a pair of the same colour but a different suit, for example, 4 of Diamonds and 4 of Hearts.
- The **Red/Black Pair** side bet pays out according to the paytable if the first 2 Player or Dealer cards form a pair, but with different colours and suits, for example, 4 of Diamonds and 4 of Spades.

A **21+3** side bet can be placed on the '21+3' for each of a player's hands that has a regular bet placed on it. This side bet wins if the player's first two cards and the dealer's first card form a Flush, Straight, Three of a Kind, Straight Flush or Suited Three of a Kind combination.

The "Perfect Pair", "Colored Pair" and "Red/Black Pair" combinations pay out according to the paytable.

Side bets cannot be placed without placing a regular bet. All types of side bets can be placed at the same time.



Paytable

The following table illustrates the payout rates for the betting positions in Quantum™ Blackjack Plus Instant Play.

Hand	Payout
Winning Hand	1:1
Insurance	2:1
Blackjack	3:2
Perfect Pair	25:1
Colored Pair	12:1
Red/Black Pair	6:1
Suited Three of a Kind	100:1
Straight Flush	40:1
Three of a Kind	30:1
Straight	10:1
Flush	5:1



Default Game Limits and Configuration

Overview

To control the level of exposure of any casino game, its limits must be studied and configured correctly, following the casino's exposure and risk policy. The default limits assigned by Playtech at the time of upload can be re-configured through the **Game Limits** page in the IMS.

Casino operators must review the default limits of new games in the various supported currencies and re-configure them in the IMS, according to their policy.

The limits can be viewed and modified when the casino is still in preview mode. This enables casino administrators to fine-tune the limit definitions before switching the games to production, thereby eliminating any possibility of unwanted exposure.



Game limits of all new games must ALWAYS be reviewed and, if necessary, adjusted by the casino operator prior to the game's release to production. Failure to set the required maximum limit may result in the casino's exposure to large player wins.

As always, licensees are welcome to contact their Account Manager for further assistance in understanding and configuring game limits.



Screenshots

Devices



1. Desktop

Main game in the desktop user interface.

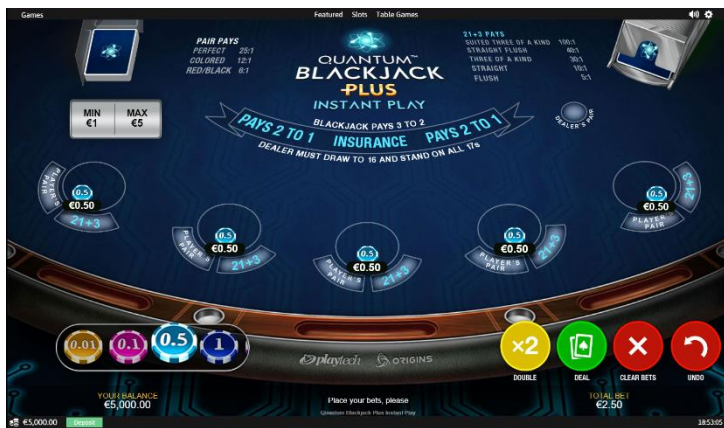


2. Mobile (Portrait View)

Main game in the mobile user interface.



Gameplay



1. Table View with Placed Bets

The player taps on a chip size and then taps on one of the betting spaces to place a bet.



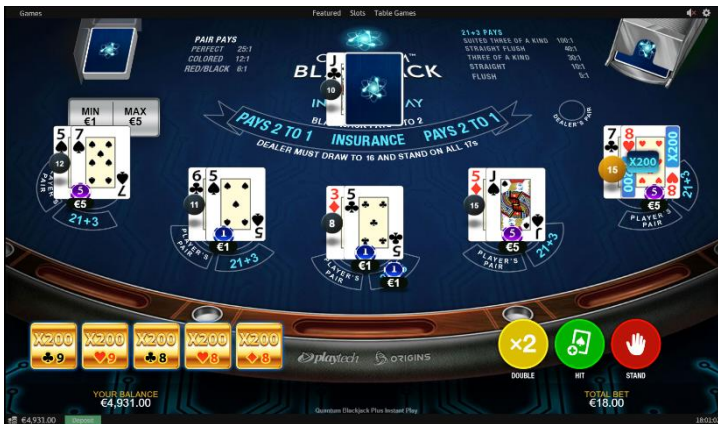
2. Table View Player Pair and 21+3 Side Bets

Premium Blackjack gives the option to place side bets. Labelled spaces for these bets are adjacent to the spaces for the main bets. Like the main bets, side bets can be doubled.



3. Quantum™ Blackjack Plus Instant Play Win Multiplier

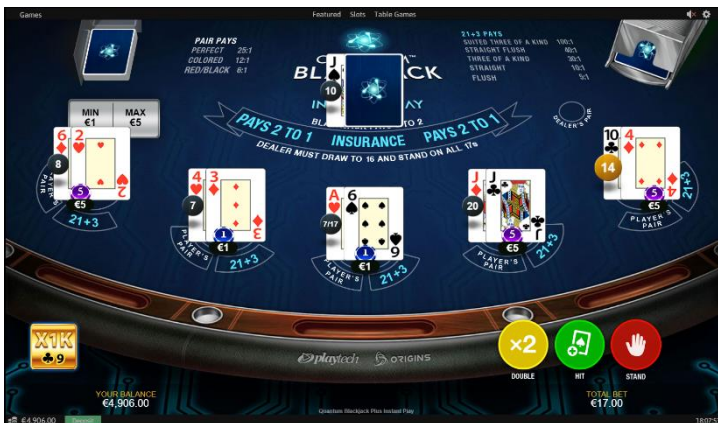
After making a bet, 3 or 5 special cards are randomly selected from a single deck of cards and will be shown beside the table. Each special card is assigned a win multiplier. The available win multipliers are $\times 2.5$, $\times 3$, $\times 5$, $\times 10$. When a player wins a bet with a special card multiplier, the payout is multiplied by the value shown on the special card.



4. Quantum Power

Quantum Power is a special feature that can trigger randomly on any round.

When the **Quantum Power** feature is triggered, 5 special cards are chosen and a multiplier of $\times 200$ is applied to all of them.



5. Quantum Ultra

Quantum Ultra is a special feature that can trigger randomly on any round.

When the **Quantum Ultra** feature is triggered, 1 special card is chosen and a multiplier of $\times 1000$ is applied to it.



6. Rebet Option

The player can tap **REBET & DEAL** to repeat the bet from the last round bet and immediately draw cards for the same number of hands as in the previous round. Tapping **REBET** just places the same bet as in the last round, without also drawing cards.



7. Split Option

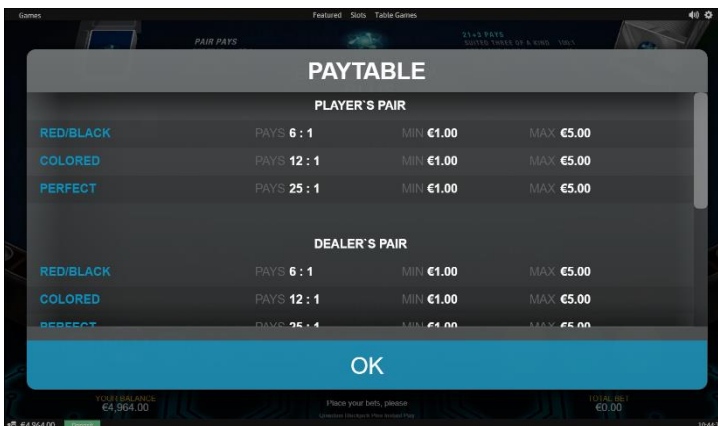
When the player is dealt 2 cards of equal values in the same hand, that hand can be split into two separate bets by tapping the **SPLIT** button.



8. Insurance

The player is offered insurance when the dealer's face-up card is an Ace.

A special notification is displayed along with **ACCEPT** and **DECLINE** buttons. Insurance can be taken for all placed bets.



9. Paytable

The paytable shows the payouts and limits for different bet types.



10. Game Settings

The Settings option available via the Menu enables the player to enable/disable ambient sounds, Turbo mode, Insurance, Perfect Pair side bets and 21+3 side bets.