



# USER MANUAL

## VirtualCasino Poker VR

# USER'S MANUAL

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## **1 General Information**

Congratulations of purchasing our app! we hope you will have a fun and enjoyable time in our casino. All that is necessary to enjoy this 3D virtual reality application is a recent Android Smartphone, featuring a gyroscope and accelerometer, and a Virtual Reality Glasses. This application can be played with Raycasting(detecting the direction, player is looking at).

The program runs like a real casino with several tables but with only one table is enabled for playing poker. If you understand how to play poker, the program is essentially a no-limit Texas Hold'em Poker game. You, as a player are up against 4 computer-controlled players, taking 3 seconds to choose an action. For more about the rules of poker, read ahead. If you are already familiar with Texas Hold'em, feel free to skip to the user interface section.

## **2 Getting Started**

### **2.1 Installation and Starting the App**

The following steps are for installing this application:

1. Open the Google play store
2. Search for "VirtualCasino Poker VR"
3. Choose our app
4. Click on the install button und let it first download then install the app.  
This may take a few moments.
5. Now the app is installed on your mobile phone and is ready to be opened.

For using our app you may need a Virtual reality glasses. We suggest you use a Durovis Dive. Durvis Dive is the world's first hands-free Smartphone holder that allows you to be immersed into a virtual reality. In the following section we will introduce the Durovis Dive to you shortly.

### **2.2 How to use the Durovis Dive**

Start the app directly, which can be used by dive and put the Durovis Dive on your head. The lenses can be moved together or apart to fit them on the eye instance. The lenses can also be moved towards or away from the eyes to

adjust the sharpness. So the user can easily adjust the lenses exactly, including the short-sighted people



### 3 User Interface

*If you are not familiar with the game rules, read the next section before proceeding any further.*

#### 3.1 The User Interface

The game interface is quite simple. After starting the application, the user can choose the "Start" using the raycast and after keeping the buttons blue for 2 seconds, it will be selected. On the left side of the start button a small text is written about this app and the credits.



Then after choosing start, the user will enter the casino and can walk through the room and look around. There are some tables and seats, but only one table is enabled. On the right side of the room there is the poker table and by getting near the table, the speed will be slowed and the start button, for starting the poker round, is there to see.



On the top left corner of the interface the player's bank, total money, is available, which is 200 Euros after entering the casino. On the right corner the total times the player has played, including the times lost or won ("Insgesamt gespielt" for total, "Niederlagen" for lost and "Siege" for the winning rounds). At this version of the app the number of winning and losing rounds are not counted yet and will be inserted on the next version.



### 3.2 Playing Poker

There are 5 other people surrounding the table, including one dealer and 4 AI players. The dealer is standing in front, so there is two players on right and two players on left side. Also the chips, considering each player's bank, will be given in front of the players.

At the top of the interface the user can see who's turn it is. The AI players have 1 second and the action will be randomly chosen between call/check, raise and fold. The amount of money the players have put inside the pot is also written on top.

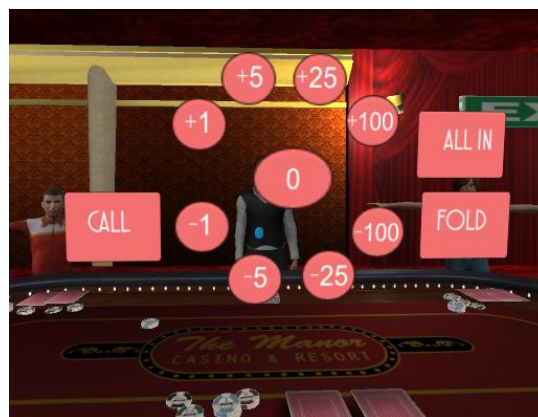


When the user looks at the cards in front of him, the cards will flip in front and can be seen for 5 seconds. Then the cards will flip back to the original place on the table.

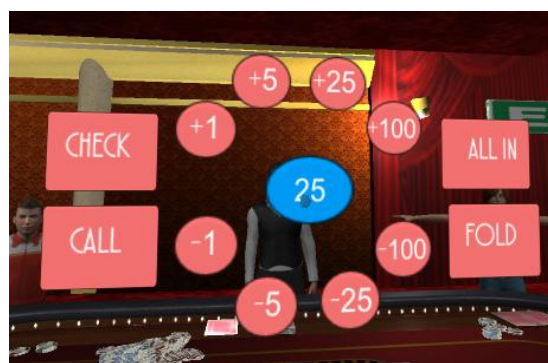


After the dealer gives each player two cards, the first and second player can bet small and big blind, and then it will be the user's turn.

Betting options will appear as buttons in the middle of the interface, when it is time for the user to choose, and can either call these bets, as accept, fold or raise.

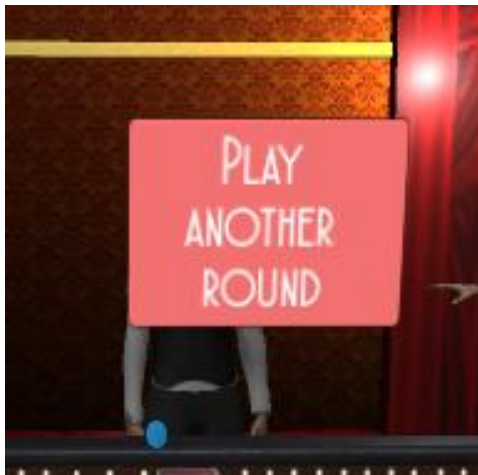


For raising, the user can either use 1, 5, 25 or 100 Euros, considering the available chips. With these combinations the user can get to the preferred amount to set the bet. Then by selecting or looking at the bet amount in the middle, the user can set the bet.

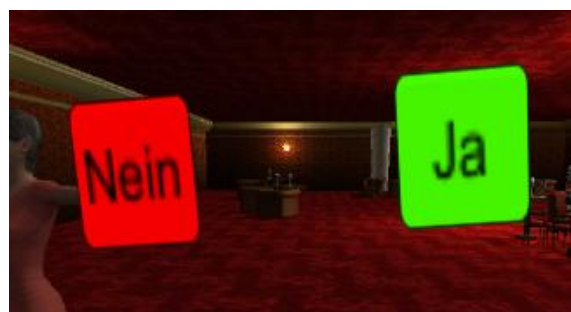




When the round is over, a "*play another round*" button will be shown in the middle that the user can choose to start another round. If the user has no money left in the bank, there will be a "*you have no money*" button and the user can only quit.



There is another menu on the right side of the user, containing a "*Spiel abbrechen*" as cancel, and a "*Spiel neustarten*" button as restart. By choosing the "*Spiel neustarten*" the cards will be collected and given again. Then a new round will be started and the number of the played games will go up. After selecting the "*Spiel abbrechen*", two other buttons will appear as confirmation. By choosing "*Nein*" or no the user can continue playing.



When "*Ja*" or yes is selected, the user can leave the table and walk through the casino. The "start" button is activated again, in the middle of the table and the user can come back to start playing again. There is a "Quit" wall that if it is walk towards, the application will be ended.



## 4 How to play poker

Poker is a game where people bet money on cards. The game consists of analyzing your cards to see how likely you are to win, analyzing enemy actions, and making smart decisions that would get you the most money in the game or keep you from losing money.

### 4.1 Gameplay

Here is a step-by-step demonstration of how a poker round plays out.

1. Each round, the next two players after the dealer pay blinds. Two **hole cards** are dealt to each player (these are cards that only their respective player can see). A **small blind** is first paid then a **big blind**, these blinds count as forced “bets” and serve to make the game progress.
2. The **betting round** begins and from here on each player gets a turn to make a decision. Essentially, players will be betting cards and all other players must match the amount betted. To achieve this, each player can make a type of bet depending on the situation.

### 4.2 Options (types of bets):

**Bet** – Opens the betting if no other player has placed a bet. Any amount you bet must be matched by all other players.

**Check** – Only available when no player has opened the bet yet. If you don't want to bet either, by choosing this option, you are deciding not to bet.



**Call** – If someone has already opened the bet, you have to match his bet to stay in the match. “Call” means you are betting exactly what you have to bet to stay in the match.

**Raise** – You call and bet an additional amount, raising the stakes.

Essentially a call and a bet, so you are betting more than you have to.

**All-in** – You bet all the money you have. This will force all other players to also bet everything or fold. Sometimes when you lose an all-in bet, you will still get money. This deals with side pots and is not something you need to worry as a player as the program will automatically distribute the different pots in the game fairly.

**Fold** – Withdraws from the match (you will be back next match). You will not lose any more money from the moment of fold, but also loses chance to win the match. Some games may end prematurely if all players except one player fold. The remaining player wins the match.

The betting round ends when everyone has had their turn and everyone has the same amount in the pot. Raises increase the length of betting rounds as it would take longer for all players to eventually match the bets.

3. After the first betting round comes the “**flop**” - 3 cards are dealt on the table face-up. All cards on the table are “board” cards, held in common by all players. A Second betting round occurs (reference step 2).
4. After the betting round of the “flop” comes the “**turn**”, where a fourth card is dealt face-up on the table. After the turn, a third round of betting occurs.
5. Then there is the “**river**”, which is where the last (fifth) card is dealt face-up. There is a final round of betting after the “river”.
6. At the end of the match, there is a “**showdown**”, where the players compare their best set of 5 hands to determine the winner(s). The hand values will be explained below.(In our case, there is unfortunately no showdown yet and the game will end without any winner or loser!)

## 4.3 Cards

The cards in poker give value to your hands. From greatest to least valued card RANK:

Ace – King – Queen – Jack – 10 – 9 – 8 – 7 – 6 – 5 – 4 – 3 – 2

Ace can act as a low card, if required, to make a straight (5-4-3-2-A).

Card suits (diamonds, clubs, hearts, and spades) do not change the value of the card. An Ace of clubs has the same value as an Ace of diamonds. Because of this, ties will occur, but rarely. However, suits do matter in hands - players can form a high-valued Flush hand, when five of their cards are part of the same suit.

## 4.4 Hands

A hand is any set of **five** cards.

You may be wondering that during the showdown, each player has 7 cards (5 from the table and 2 hole cards in their hand). Do not worry, you just have to find the best (highest valued) set of 5 cards for you in those 7 cards. Here is a list of poker hands, with royal flush (best) being the highest valued, going in descending order.

