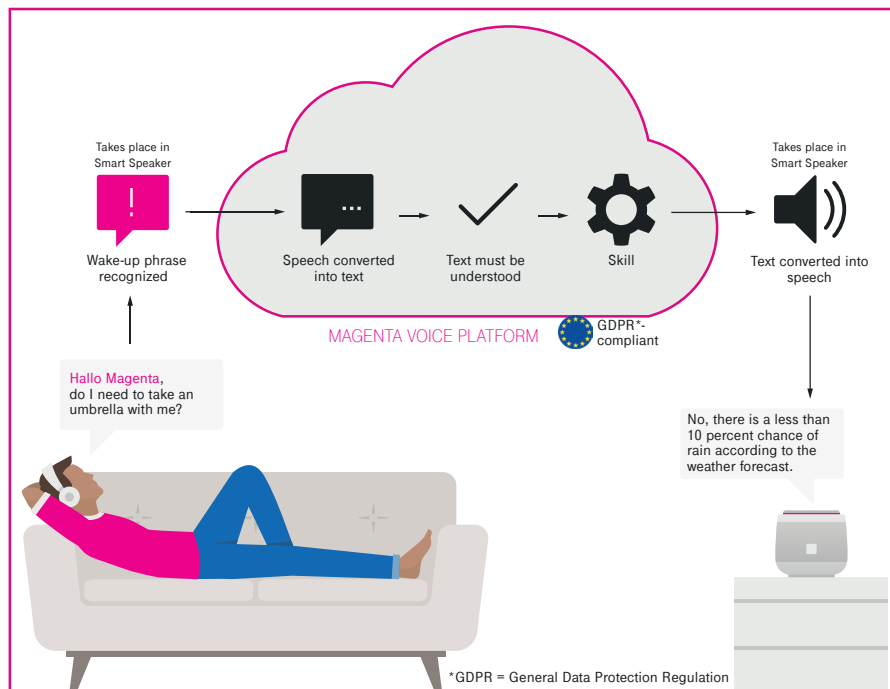


# How does voice control work?

There is complex technology behind interactions with the Smart Speaker. These are the six steps the device has to take:



## 1. Activating

The Smart Speaker recognizes "Hallo Magenta" – its wake-up phrase.

## 2. "Listen" command

The activated speaker waits for a command or question, such as "Do I need to take an umbrella with me?" If it doesn't hear anything within a maximum of nine seconds, it returns to sleep mode.

## 3. Processing

The speaker compresses the data and transmits it to the voice platform for processing. The platform checks again whether what was said was actually "Hallo Magenta" and, if not, the voice signal is deleted.

The voice signal is converted into text (speech-to-text conversion) for processing. The next step is to understand the intention of the request. The program "considers" whether the question relates to the weather forecast. This is referred to as natural language understanding (NLU).

## 4. Analyzing

The functions or skills required to answer the question/carry out the command (e.g., retrieving the weather forecast) are accessed to find the appropriate answer, and this is rendered in text form.

## 5. Returning

The servers return the text block to the speaker, where it is converted into a voice signal (text-to-speech conversion).

## 6. Replying

The Smart Speaker then uses its voice output to answer the question or carries out the command.