Claims

[Claim 1]

A communication apparatus capable of transmitting data to an external device, comprising:

a transmitting unit configured to transmit transmission data-related information relating to data to be transmitted to the external device before joining a wireless network;

a receiving unit configured to receive a response from the external device after the transmission data-related information has been transmitted by the transmitting unit;

a network joining unit configured to, after the response has been received by the receiving unit, join a wireless network; and

a communication unit configured to, after the network joining unit has joined a wireless network, establish communication with the external device so that data can be transmitted,

wherein the transmitting unit is configured to transmit temporary information as the transmission data-related information before the transmission data to be transmitted to the external device is selected,

wherein when the network joining unit has joined a wireless network and the transmission data to be transmitted to the external device has been selected, the transmitting unit is configured to transmit information based on the selected transmission data as the transmission data-related information.

[Claim 2]

The communication apparatus according to claim 1, wherein the transmission data-related information is required to determine whether the communication apparatus and the external device establish communication.

[Claim 3]

The communication apparatus according to claim 1 or 2, wherein the temporary information exists before the transmission data to be transmitted to the external device is selected.

[Claim 4]

The communication apparatus according to claim 3, wherein the temporary information is information pre-stored in a storage unit in the communication apparatus.

[Claim 5]

The communication apparatus according to any one of claims 1 to 4, wherein when transmitting the information based on the selected transmission data, the transmitting unit is configured to notify the external device to change the temporary information.

[Claim 6]

The communication apparatus according to any one of claims 1 to 5, wherein selection of the transmission data to be transmitted to the external device is performed after the network joining unit has joined the wireless network.

[Claim 7]

The communication apparatus according to any one of claims 1 to 6, further comprising a data image capturing unit, wherein the transmitting unit is configured to transmit information based on captured image data as the transmission data-related information each time data is captured by the data image capturing unit.

[Claim 8]

The communication apparatus according to any one of claims 1 to 7, wherein the communication apparatus is a mobile phone, tablet or digital camera.

[Claim 9]

The communication apparatus according to any one of claims 1 to 8, wherein the transmission, receiving and joining is by using the same predetermined protocol.

[Claim 10]

A method for controlling a communication apparatus capable of transmitting data to an external device, the method comprising:

transmitting transmission data-related information relating to data to be transmitted to the external device before joining a wireless network;

receiving a response from the external device after the transmission data-related information has been transmitted;

joining a wireless network after the response has been received; and

establishing communication with the external device so that data can be transmitted after joining the wireless network,

wherein temporary information is transmitted as the transmission data-related information before the transmission data to be transmitted to the external device is selected,

wherein when the network joining unit has joined a wireless network and the transmission data to be transmitted to the external device has been selected, the transmitting unit transmits information based on the selected transmission data as the transmission data-related information.

[Claim 11]

A computer-readable program for causing a computer to function as each unit in the communication apparatus according to any one of claims 1 to 9.