

1. Constitution of the Wireless Remote Controller

The wireless remote controller is a system that it controls up or down in a target by remote controller. (For example, it controls up or down a seat for vehicle.) This system consists of two components. The TRANSMITTER is a device that continues transmitting the signal when the button is continued pressing. The transmission signal consists of several synchronous codes, unique identification code, and function code. The RECEIVER is fixed in side of target to control. It works intermittently to reduce the battery exhaustion. When the receiver detects the synchronous code, it runs continuously to receive the signals completely. After receiving the signal, the receiver decides which operation will be performed. The user can select the following operations by pressing the button of the transmitter.

OPERATION	ACTION
Up	Up the target
Down	Down the target

Transmitter
 $f = 313.85\text{MHz}$