The size of this register is also 8 bits. The role of each bit is discussed below:

**SPEN: Serial Port Enable bit**

1 = Serial port enabled (configures pin RC7/RX/DT for receiving the information into the PIC, and pin RC6/TX/CK for transmitting the information from PIC)
0 = Serial port disabled

**RX9: 9th -bit Receive Enable bit**

1 = enables reception of 9 bit
0 = enables reception of 8 bit

**SREN - Single Receive Enable bit** - this bit enables or cancels transmission of packets. In the asynchronous mode - this bit is not important. The importance of this bit is only in the synchronous mode (Half-Duplex) and only when PIC is Master.

*Asynchronous mode:*
Don't care.

*Synchronous mode – Master:*
1 = Enables single receive
0 = Disables single receive
This bit is cleared after reception is complete.

*Synchronous mode – Slave:*
Don't care.

**CREN - Continuous Receive Enable bit**

*Asynchronous mode:*
1 = Enables continuous receive
0 = Disables continuous receive

*Synchronous mode:*
1 = Enables continuous receive until enable bit CREN is cleared (CREN overrides SREN)
0 = Disables continuous receive

**ADDEN - Address Detect Enable bit** - this bit enables interrupt only when the frame size is 9-bit. It does not matter, when the size of the frame is 8-bit.

*Asynchronous mode 9-bit (RX9 = 1):*
1 = Enables address detection, enables interrupt and load of the receive buffer when RSR[8] is set
0 = Disables address detection, all bytes are received and ninth bit can be used as parity bit
**FERR – Framing Error bit**
Logic level “1” – means the STOP bit was not received. In serial communication we use START bit and STOP bit when transmitting the information.
1 = Framing error (can be updated by reading RCREG register and receive next valid byte)
0 = No framing error

**OERR - Overrun Error bit**

Logical level “1” means that new byte of data was received, while there is still previous data that did not proceed into the PIC. In this case, the new received information is lost.

1 = Overrun error (can be cleared by clearing bit CREN)
0 = No overrun error

**RX9D: 9th bit of Received Data**, in the case of receiving 9-bits.