

NAME

`modbus_send_raw_request` – send a raw request

SYNOPSIS

```
int modbus_send_raw_request(modbus_t *ctx, uint8_t *raw_req, int 'raw_req_length);
```

DESCRIPTION

The `modbus_send_raw_request()` function shall send a request via the socket of the context `ctx`. This function must be used for debugging purposes because you have to take care to make a valid request by hand. The function only adds to the message, the header or CRC of the selected backend, so `raw_req` must start and contain at least a slave/unit identifier and a function code. This function can be used to send request not handled by the library.

RETURN VALUE

The `modbus_send_raw_request()` function shall return the full message length, counting the extra data relating to the backend, if successful. Otherwise it shall return `-1` and set `errno`.

EXAMPLE

```
modbus_t *ctx;
/* Read 5 holding registers from address 1 */
uint8_t raw_req[] = { 0xFF, 0x03, 0x00, 0x01, 0x0, 0x05 };
int req_length;
uint8_t rsp[MODBUS_TCP_MAX_ADU_LENGTH];

ctx = modbus_new_tcp("127.0.0.1", 1502);
if (modbus_connect(ctx) == -1) {
    fprintf(stderr, "Connection failed: %s\n", modbus_strerror(errno));
    modbus_free(ctx);
    return -1;
}

req_length = modbus_send_raw_request(ctx, raw_req, 6 * sizeof(uint8_t));
modbus_receive_confirmation(ctx, rsp);

modbus_close(ctx);
modbus_free(ctx);
```

SEE ALSO

`modbus_receive_confirmation(3)`

AUTHORS

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NOTES

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