SPI protocol

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Transmitter's SPI message

1 byte	1 byte	1 byte
message's number	command or channel #	hash

Receiver's SPI answer (to the next status check)

1 byte	1 byte	1 to 127 bytes	1 byte
message's number (same as transmitter's)	status	received payload (or just 0, if no payload received)	hash

Status may also describe, if the packet was received (in listening state)

Command delivering protocol:

Transmitter

Receiver

Phase 1

Forming and sending command message

Reading message

Receiver is getting messages via SPIS events

Schedule command message after *probe delay*

Prepare *not ready* message

No

Status is *not ready?* pack# ok

Yes

Schedule check message after *probe delay*

Hash is ok?

No

Yes

Form message with status *loss*

Perform command

No

Performed successfully?

Form message with status *fail*

No

Yes

From message with *success* status

Phase 2

Froming and sending check message

Reporting status

Finish actions, which need confirmation

No

Probes limit is over?

No

Hash is ok?

Yes

No

Probes limit is over?

No

Header is ok?

Yes

Yes

Failed to deliver the command

Command was delivered