

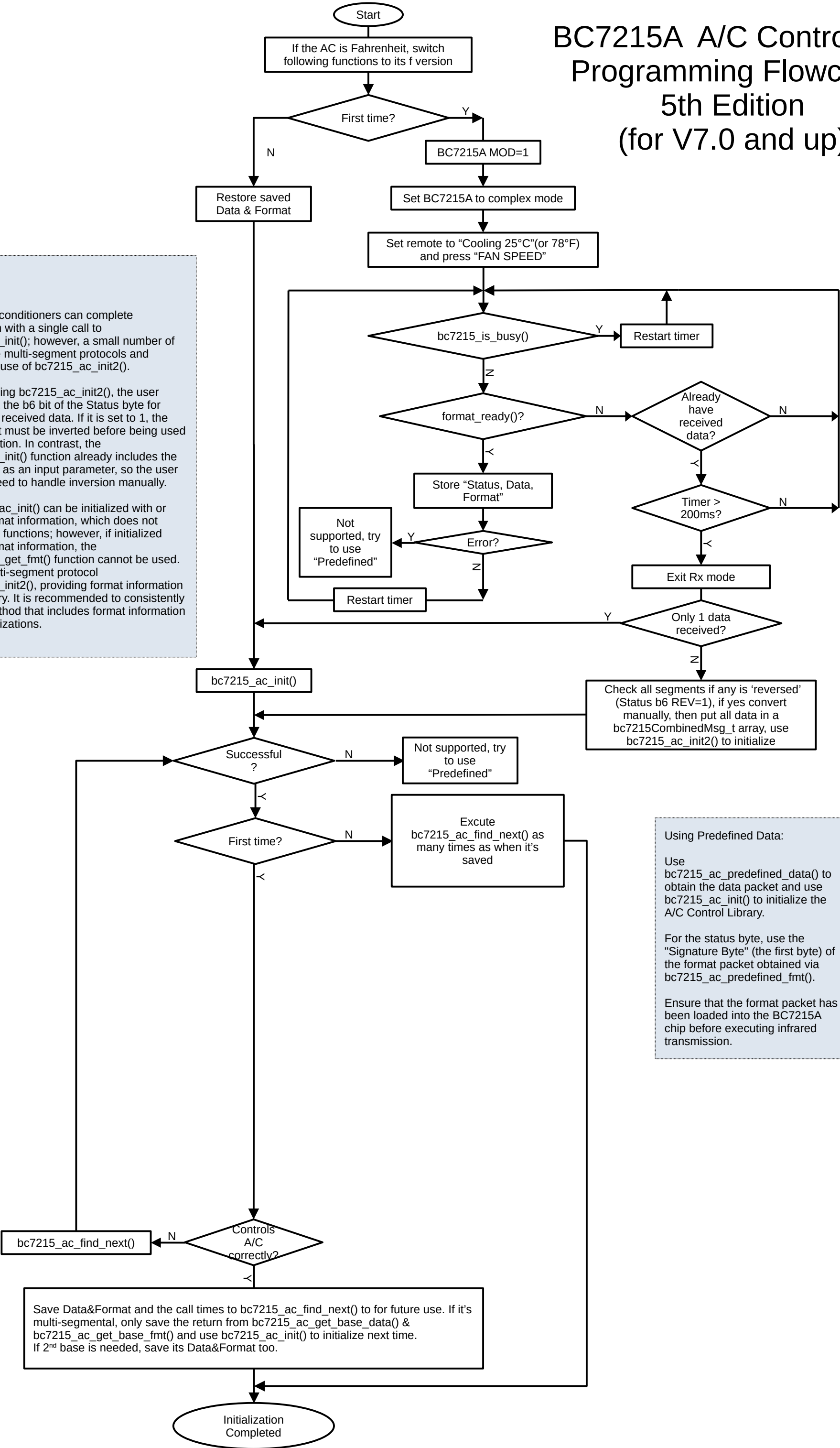
BC7215A A/C Control Lib Programming Flowchart 5th Edition (for V7.0 and up)

Notes:

Most air conditioners can complete initialization with a single call to `bc7215_ac_init()`; however, a small number of models use multi-segment protocols and require the use of `bc7215_ac_init2()`.

When using `bc7215_ac_init2()`, the user must check the b6 bit of the Status byte for each set of received data. If it is set to 1, the data packet must be inverted before being used for initialization. In contrast, the `bc7215_ac_init()` function already includes the Status byte as an input parameter, so the user does not need to handle inversion manually.

`bc7215_ac_init()` can be initialized with or without format information, which does not affect basic functions; however, if initialized without format information, the `bc7215_ac_get_fmt()` function cannot be used. For the multi-segment protocol `bc7215_ac_init2()`, providing format information is mandatory. It is recommended to consistently use the method that includes format information for all initializations.



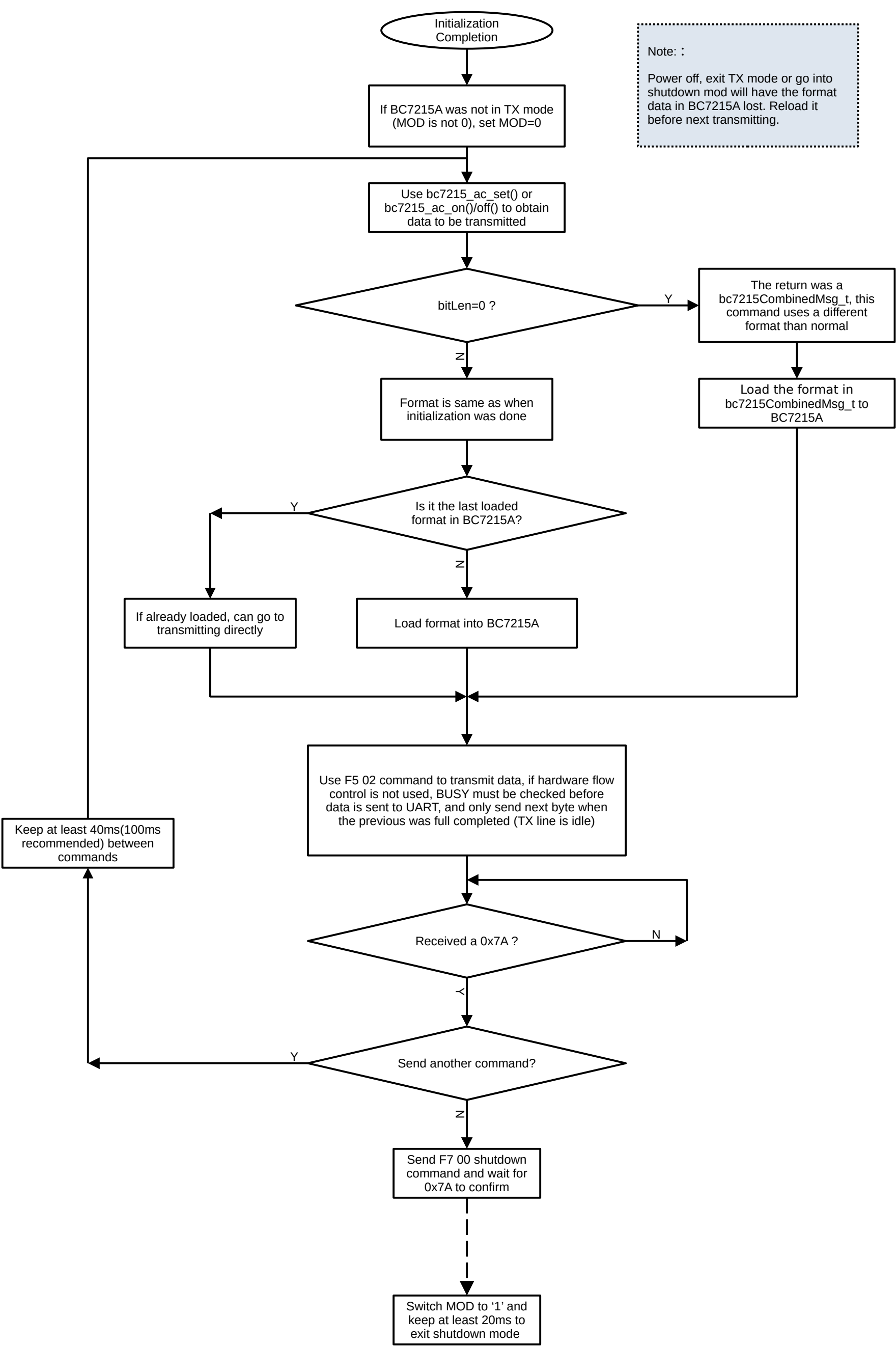
Using Predefined Data:

Use `bc7215_ac_predefined_data()` to obtain the data packet and use `bc7215_ac_init()` to initialize the A/C Control Library.

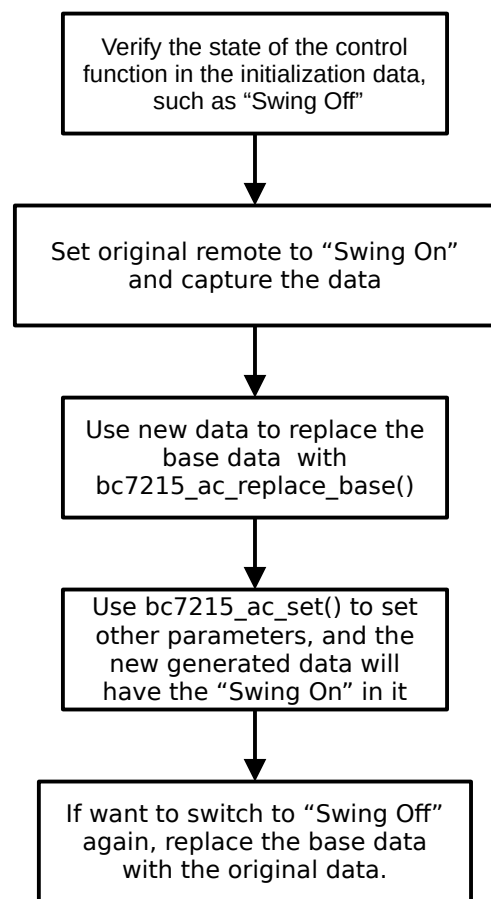
For the status byte, use the "Signature Byte" (the first byte) of the format packet obtained via `bc7215_ac_predefined_fmt()`.

Ensure that the format packet has been loaded into the BC7215A chip before executing infrared transmission.

Basic A/C Control Flow



Controlling Arbitrary A/C Functions



Parsing A/C Commands

