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CAN Protocol for Clio Cup IV

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Steering Wheel Paddles and buttons

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1. **STREAM DESCRIPTIONS 3**

1.1 XAP STEERING WHEEL -> ECU3

 1.1.1 *Frame 0x404*3

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1. STREAM DESCRIPTIONS

1.1 XAP Steering Wheel -> ECU

- CAN 2.0B
- 500Kbit/s rate
- 11 bit identifiers
- Big endian

1.1.1 Frame 0x404

Basic Parameters

ID Hex (Dec)	Rate
0x404 (1028)	200Hz

Detailed Payload Description

Byte	Name	External Name	Calibration	Notes
0	UP Request	UP_R	U16 (1/bit)	>950 = UP paddle not activated <=50 = UP paddle request
1				
2	DOWN request	DOWN_R	U16 (1/bit)	>950 = Down paddle not activated <= 50 = Down paddle request
3				
4	Button Bitmap	BUTTONS	U8 (bitmap)	See following table
5				
6	Paddle Diagnostic	Paddle Diag	U8 (bitmap)	See following table
7				

Button Bitmap table

Bit	Meaning
0	=1 if button CLEAN pressed
1	=1 if button PIT pressed
2	=1 if button ... pressed
3	=1 if button PAGE pressed
4	=1 if button GEAR pressed
5	=1 if button WIPER pressed
6	=1 if button LIGHT pressed

Paddle Diagnostic bitmap table

Bit	Meaning
0	=1 if Up Paddle failed
1	=1 if Down Paddle failed