Startpoint settings: FAN mode only FAN speed: low

Swing vert: manual, position: most upper Swing horizontal: manual, position: center

Temp: current: 21C displayed on the device but 26C is reported from ESP. Target temp. setpoint: not set

## I pressed FAN to switch device ON. Here are the results:

[20:06:48][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:06:49][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 21 0 53 0 127 0 0 0 0 0 0 0 0 17 0 0 0 0 0 8 185 0 0 0 240 167 198 75 0 0 0

[20:06:49][D][Debug:321]: Status byte 5: 0x8 --> 0x0 [20:06:49][D][climate:373]: 'Haier AC4' - Sending state: [20:06:49][D][climate:376]: Mode: HEAT\_COOL [20:06:49][D][climate:381]: Fan Mode: LOW [20:06:49][D][climate:393]: Swing Mode: OFF

[20:06:49][D][climate:396]: Current Temperature: 26.00°C [20:06:49][D][climate:402]: Target Temperature: 24.00°C

[20:06:53][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:06:54][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 21 0 53 0 127 0 0 0 0 0 0 0 0 17 0 0 0 0 0 8 185 0 0 0 240 167 198 75 0 0 0

[20:06:54][D][Debug:321]: Status byte 5: 0x8 --> 0x0 [20:06:54][D][climate:373]: 'Haier AC4' - Sending state: [20:06:54][D][climate:376]: Mode: HEAT\_COOL [20:06:54][D][climate:381]: Fan Mode: LOW [20:06:54][D][climate:393]: Swing Mode: OFF

[20:06:54][D][climate:396]: Current Temperature: 26.00°C [20:06:54][D][climate:402]: Target Temperature: 24.00°C

[20:06:58][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:06:59][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 21 0 53 0 127 0 0 0 0 0 0 0 0 17 0 0 0 0 0 8 185 0 0 0 240 167 198 75 0 0 0

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# To allow quickly compare the initial, and final Readed message ALBA, I gathered copied them here:

[20:06:49][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0	2 10	9 1	0	21	0	53	0 1	127	0 0	0	0	0	3 (	0 2	0	0	0	17	0 (	0 0	0	0	8	185	0	0	0	240	167	198	75	0	0 0
[20:06:54][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0	2 10	9 1	0	21	0	53	0 1	127	0 (	0	0	0	3 (	0 2	. 0	0	0	17	0 (	0 0	0	0	8	185	0	0	0	240	167	198	75	0	0 0
[20:06:59][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0	2 10	9 1	0	21	0	53	0 1	L27	0 (	0	0	0	3 (	0 2	. 0	0	0	17	0 (	0	0	0	8	185	0	0	0	240	167	198	75	0	0 0

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## Then I pressed COOL only. No other buttons/functions have been chosen. Here are the results:

[20:10:58][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:10:59][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 21 0 53 0 127 0 0 0 0 0 1 0 1 0 0 0 0 0 9 167 0 0 0 240 167 198 75 0 0 0

[20:10:59][D][Debug:321]: Status byte 5: 0x9 --> 0x0

[20:10:59][D][Debug:321]: Status byte 23: 0x3 --> 0x1

[20:10:59][D][Debug:321]: Status byte 25: 0x2 --> 0x1

[20:10:59][D][Debug:321]: Status byte 35: 0x8 --> 0x9

[20:10:59][D][Debug:321]: Status byte 36: 0xA9 --> 0xA7

[20:10:59][D][climate:373]: 'Haier AC4' - Sending state:

[20:10:59][D][climate:376]: Mode: HEAT COOL

[20:10:59][D][climate:381]: Fan Mode: LOW

[20:10:59][D][climate:393]: Swing Mode: OFF

[20:10:59][D][climate:396]: Current Temperature: 26.00°C

[20:10:59][D][climate:402]: Target Temperature: 25.00°C

[20:11:03][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:11:04][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 21 0 53 0 127 0 0 0 0 0 1 0 1 0 0 0 0 0 9 167 0 0 0 240 167 198 75 0 0 0

[20:11:04][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:11:04][D][climate:373]: 'Haier AC4' - Sending state: [20:11:04][D][climate:376]: Mode: HEAT\_COOL [20:11:04][D][climate:381]: Fan Mode: LOW

[20:11:04][D][climate:393]: Swing Mode: OFF

[20:11:04][D][climate:396]: Current Temperature: 26.00°C

[20:11:04][D][climate:402]: Target Temperature: 25.00°C

[20:11:18][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:11:19][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 21 0 49 0 127 0 0 0 0 0 1 0 1 0 0 0 0 0 9 163 0 0 0 240 167 198 75 0 0 0

[20:11:19][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:11:19][D][Debug:321]: Status byte 15: 0x35 --> 0x31 [20:11:19][D][Debug:321]: Status byte 36: 0xA7 --> 0xA3 [20:11:19][D][climate:373]: 'Haier AC4' - Sending state: [20:11:19][D][climate:376]: Mode: HEAT COOL [20:11:19][D][climate:381]: Fan Mode: LOW [20:11:19][D][climate:393]: Swing Mode: OFF

[20:11:19][D][climate:396]: Current Temperature: 24.00°C [20:11:19][D][climate:402]: Target Temperature: 25.00°C

[20:11:23][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:11:24][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 21 0 50 0 127 0 0 0 0 0 1 0 1 0 0 0 0 0 9 164 0 0 0 240 167 198 75 0 0 0

To allow quickly compare the initial and final Readed message ALBA, I copied them here (first row in this table [marked in yellow] has been copied from the last row of the previous table). The changed bytes have been marked in blue:

- to anoth quitary to input	***************************************				,	,		•	2: 2 T		• • • • • • • • • • • • • • • • • • • •	•••••			•••	,			<b></b> .				• • • • •	• • • • • • • • • • • • • • • • • • • •	- p			<del>-,</del>						•												
			Byte #	0	1	2	3 4	4 5	6	7	8 9	10	11	12	13	14	15	16 1	17	18	19 2	21	22	23	24	25	26	27	28 2	9 3	0 31	1 32	33	34	35	36	37	38	39 4	40	41	42	43	44 4	<b>45</b>	16
[20:06:59][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	21	0	53	0 1	127	0	0 0	0	0	3	0	2	0	0	0 1	7 (	0	0	0	0	8	185	0	0	0 :	240	167	198	75	0 (	כ ו	)
[20:10:59][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	21	0	53	0 1	127	0	0 0	0	0	1	0	1	0	0	0 1		0	0	0	0	9	167	0	0	0 /	240	167	198	75	0 (	) [	J
[20:11:04][D][Haier:398]:																						0	0	1	0	1	0	0	0 1		0	0	0	0	9	167	0	0	0 2	240	167	198	75	0 (	) [	J
[20:11:19][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	21	0	49	0 1	127	0	0 0	0	0	1	0	1	0	0	0 1		0	0	0	0	9	163	0	0	0 /	240	167	198	75	0 0	)	כ

Then I pressed HEAT only. No other buttons/functions have been chosen. Here are the results: [20:14:29][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 17 0 49 0 127 0 0 0 0 0 2 0 3 0 0 0 17 0 0 0 0 0 9 178 0 0 0 240 167 198 75 0 0 0 [20:14:29][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:14:29][D][Debug:321]: Status byte 13: 0x15 --> 0x11 [20:14:29][D][Debug:321]: Status byte 23: 0x1 --> 0x2 [20:14:29][D][Debug:321]: Status byte 25: 0x1 --> 0x3 [20:14:29][D][Debug:321]: Status byte 29: 0x1 --> 0x11 [20:14:29][D][Debug:321]: Status byte 36: 0xA3 --> 0xB2 [20:14:29][D][climate:373]: 'Haier AC4' - Sending state: [20:14:29][D][climate:376]: Mode: HEAT\_COOL [20:14:29][D][climate:381]: Fan Mode: LOW [20:14:29][D][climate:393]: Swing Mode: OFF [20:14:29][D][climate:396]: Current Temperature: 24.00°C [20:14:29][D][climate:402]: Target Temperature: 25.00°C [20:14:33][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180 [20:14:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 17 0 49 0 127 0 0 0 0 0 2 0 3 0 0 0 17 0 0 0 0 0 9 178 0 0 0 240 167 198 75 0 0 0 [20:14:34][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:14:34][D][climate:373]: 'Haier AC4' - Sending state:

[20:14:34][D][climate:373]: 'Haier AC4' - Sending st [20:14:34][D][climate:376]: Mode: HEAT\_COOL

[20:14:34][D][climate:370]: Mode: NEA1\_COO [20:14:34][D][climate:381]: Fan Mode: LOW [20:14:34][D][climate:393]: Swing Mode: OFF

[20:14:34][D][climate:396]: Current Temperature: 24.00°C [20:14:34][D][climate:402]: Target Temperature: 25.00°C

[20:14:38][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:14:39][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 17 0 49 0 127 0 0 0 0 0 0 0 0 17 0 0 0 0 0 9 178 0 0 0 240 167 198 75 0 0 0

[20:14:39][D][Climate:373]: Status byte 5: 0x9 --> 0x0 [20:14:39][D][climate:373]: 'Haier AC4' - Sending state: [20:14:39][D][climate:376]: Mode: HEAT\_COOL [20:14:39][D][climate:381]: Fan Mode: LOW [20:14:39][D][climate:393]: Swing Mode: OFF

[20:14:39][D][climate:396]: Current Temperature: 24.00°C [20:14:39][D][climate:402]: Target Temperature: 25.00°C

[20:14:43][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:14:44][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 17 0 49 0 127 0 0 0 0 0 2 0 3 0 0 0 17 0 0 0 0 0 9 178 0 0 0 240 167 198 75 0 0 0

[20:14:44][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:14:44][D][climate:373]: 'Haier AC4' - Sending state: [20:14:44][D][climate:376]: Mode: HEAT\_COOL [20:14:44][D][climate:381]: Fan Mode: LOW [20:14:44][D][climate:393]: Swing Mode: OFF

[20:14:44][D][climate:396]: Current Temperature: 24.00°C [20:14:44][D][climate:402]: Target Temperature: 25.00°C

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o allow quickly compare the initial and final Readed message ALBA, I copied them here (first row in this table [marked in yellow] has been copied from the last row of the previous table). The changed bytes have been marked in blue:

To allow quickly collipate	tile illitiai	and mian	eaueu III	icssage	ALDA	, i copi	ieu tii	em n	ן שוש	III St I	OW II	ii tiiis	table	Liliai	Keu II	ı yen		ias be	en co	pieu		iie ia	131 101	v Oi ti	ie bie	eviou	s tab	<i>e)</i> . 11	ie ciia	liget	ı Dyte	3 iiav	e nee	II IIIa	ii keu	ווו טונ	ue.									
			Byte #	0	1	2	3	4 5	6	7	8 9	10	11	. 12	13	14	15	16	17	18	19 2	20 2	21 22	2 23	24	25	26	27 2	28 29	3	0 31	. 32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
[20:11:19][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	2 10	9 1	0	21	0	49	0	127	0	0 (	) (	0 0	1	0	1	0	0 (	1	C	0	0	0	0	9	163	0	0	0	240	167	198	75	0	0	0
[20:14:29][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	2 10	9 1	0	17	0	49	0	127	0	0 (	) (	0 0	2	0	3	0	0 (	) 1	7 0	0	0	0	0	9	178	0	0	0	240	167	198	75	0	0	0
[20:14:34][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	2   10	9 1	0	17	0	49	0	127	0	0 (	) (	0 0	2	0	3	0	0 (	) 1	7 0	0	0	0	0	9	178	0	0	0	240	167	198	75	0	0	0
[20:14:39][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	2 10	9 1	0	17	0	49	0	127	0	0 (	) (	0 0	2	0	3	0	0 (	) 1	<b>7</b> C	0	0	0	0	9	178	0	0	0	240	167	198	75	0	0	0
[20:14:44][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	2 10	9 1	0	17	0	49	0	127	0	0 (	) (	0 0	2	0	3	0	0 (	) 1	<b>7</b> C	0	0	0	0	9	178	0	0	0	240	167	198	75	0	0	0

# The same status after two minutes: FAN speed switched to AUTO mode automatically. No other changes observed. Here are the results:

[20:16:24][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 17 0 49 0 127 0 0 0 0 0 2 0 3 0 0 0 17 0 0 0 0 0 9 178 0 0 0 240 167 198 75 0 0 0

[20:16:24][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:16:24][D][climate:373]: 'Haier AC4' - Sending state: [20:16:24][D][climate:376]: Mode: HEAT\_COOL [20:16:24][D][climate:381]: Fan Mode: LOW [20:16:24][D][climate:393]: Swing Mode: OFF

[20:16:24][D][climate:396]: Current Temperature: 24.00°C [20:16:24][D][climate:402]: Target Temperature: 25.00°C

[20:16:28][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:16:29][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 17 0 49 0 127 0 0 0 0 0 2 0 3 0 0 0 17 0 0 0 0 0 9 178 0 0 0 240 167 198 75 0 0 0

[20:16:29][D][Debug:321]: Status byte 5: 0x9 --> 0x0

[20:16:29][D][climate:373]: 'Haier AC4' - Sending state: [20:16:29][D][climate:376]: Mode: HEAT\_COOL [20:16:29][D][climate:381]: Fan Mode: LOW [20:16:29][D][climate:393]: Swing Mode: OFF

[20:16:29][D][climate:396]: Current Temperature: 24.00°C [20:16:29][D][climate:402]: Target Temperature: 25.00°C

[20:16:33][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:16:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 17 0 49 0 127 0 0 0 0 0 2 0 3 0 0 0 17 0 0 0 0 0 9 178 0 0 0 240 167 198 75 0 0 0

[20:16:34][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:16:34][D][climate:373]: 'Haier AC4' - Sending state: [20:16:34][D][climate:376]: Mode: HEAT\_COOL [20:16:34][D][climate:381]: Fan Mode: LOW [20:16:34][D][climate:393]: Swing Mode: OFF

[20:16:34][D][climate:396]: Current Temperature: 24.00°C [20:16:34][D][climate:402]: Target Temperature: 25.00°C

[20:16:38][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:16:39][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 18 0 49 0 127 0 0 0 0 0 2 0 3 0 0 0 1 0 0 0 0 9 163 0 0 0 240 167 198 75 0 0 0

### 444

To allow quickly compare the initial and final Readed message ALBA, I copied them here (first row in this table [marked in yellow] has been copied from the last row of the previous table). The changed bytes have been marked in blue:

To allow quickly compare the initial and in	iai neaaca i	cssug.	CALDA	, i copi	cu tiic		- (			ubic [	····a···	,	c	us b	ccco	picu		inc ius		0	Pict	ious to	<b></b>		unge.	u 2, cc	3av	C 5C		ai iteu									
	Byte #	0	1	2	3 4	5	6 7	8 9	10	11	12	13	14 15	16	17	18	19	20 21	1 22	23	24	25 26	27	28	29 3	30 31	. 32	33	34	35	36	37 3	38 39	9 40	41	42	43	44	45 46
[20:14:44][D][Haier:398]: Readed messa	age ALBA:	255	255	34	64 0	0	0 0	0 2	109	1	0	17 (	) 49	0	127	0	0	0 0	0	2	0	3 0	0	0	17 (	0	0	0	0	9	178	0 (	0 0	24	0 167	7 198	75	0 (	0
[20:16:24][D][Haier:398]: Readed messa	age ALBA:	255	255	34	64 0	0	0 0	0 2	109	1	0	17 (	) 49	0	127	0	0	0 0	0	2	0	3 0	0	0	17 (	0 0	0	0	0	9	178	0 (	0 0	24	0 167	7 198	75	0 (	) 0
[20:16:29][D][Haier:398]: Readed messa	age ALBA:	255	255	34	64 0	0	0 0	0 2	109	1	0	17 (	) 49	0	127	0	0	0 0	0	2	0	3 0	0	0	17 (	0 0	0	0	0	9	178	0 (	0 0	24	0 167	7 198	75	0 (	) 0
[20:16:34][D][Haier:398]: Readed messa	age ALBA:	255	255	34	64 0	0	0 0	0 2	109	1	0	17 (	) 49	0	127	0	0	0 0	0	2	0	3 0	0	0	17 (	0 0	0	0	0	9	178	0 (	0 0	24	0 167	7 198	75	0 (	) 0
[20:16:39][D][Haier:398]: Readed messa	age   ALBA:	255	255	34	64 0	0	0   0	0 2	109	1	0	18	)   49	0	127	0	0	0 0	0	2	0	3 0	0	0	1 (	0 0	0	0	0	9	163	0 (	0 0	24	0   167	7   198	75	0 (	J 0

Then I pressed DRY only. FAN speed goes automatically to medium. Vert swing goes lowest position while horizontal keeps AUTO. Here is the result [20:18:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 0 1 0 0 0 0 6 166 0 0 0 240 167 198 75 0 0 0 [20:18:34][D][Debug:321]: Status byte 5: 0x6 --> 0x0 [20:18:34][D][Debug:321]: Status byte 13: 0x12 --> 0x16 [20:18:34][D][Debug:321]: Status byte 23: 0x2 --> 0x4 [20:18:34][D][Debug:321]: Status byte 25: 0x3 --> 0x1 [20:18:34][D][Debug:321]: Status byte 27: 0x0 --> 0x2 [20:18:34][D][Debug:321]: Status byte 29: 0x11 --> 0x1 [20:18:34][D][Debug:321]: Status byte 35: 0x9 --> 0x6 [20:18:34][D][Debug:321]: Status byte 36: 0xB3 --> 0xA6 [20:18:34][D][climate:373]: 'Haier AC4' - Sending state: [20:18:34][D][climate:376]: Mode: HEAT COOL [20:18:34][D][climate:381]: Fan Mode: LOW [20:18:34][D][climate:393]: Swing Mode: OFF [20:18:34][D][climate:396]: Current Temperature: 24.00°C [20:18:34][D][climate:402]: Target Temperature: 22.00°C [20:18:38][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180 [20:18:39][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 0 1 0 0 0 0 6 166 0 0 0 240 167 198 75 0 0 0 [20:18:39][D][Debug:321]: Status byte 5: 0x6 --> 0x0 [20:18:39][D][climate:373]: 'Haier AC4' - Sending state: [20:18:39][D][climate:376]: Mode: HEAT COOL [20:18:39][D][climate:381]: Fan Mode: LOW [20:18:39][D][climate:393]: Swing Mode: OFF [20:18:39][D][climate:396]: Current Temperature: 24.00°C [20:18:39][D][climate:402]: Target Temperature: 22.00°C [20:18:43][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180 [20:18:44][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 48 0 127 0 0 0 0 0 4 0 1 0 2 0 1 0 0 0 0 6 165 0 0 0 240 167 198 75 0 0 0 [20:18:44][D][Debug:321]: Status byte 5: 0x6 --> 0x0 [20:18:44][D][Debug:321]: Status byte 15: 0x31 --> 0x30 [20:18:44][D][Debug:321]: Status byte 36: 0xA6 --> 0xA5 [20:18:44][D][climate:373]: 'Haier AC4' - Sending state: [20:18:44][D][climate:376]: Mode: HEAT COOL [20:18:44][D][climate:381]: Fan Mode: LOW [20:18:44][D][climate:393]: Swing Mode: OFF [20:18:44][D][climate:396]: Current Temperature: 24.00°C

[20:18:44][D][climate:402]: Target Temperature: 22.00°C

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To allow quickly compare the initial and final Readed message ALBA, I copied them here (first row in this table [marked in yellow] has been copied from the last row of the previous table). The changed bytes have been marked in blue:

						,																							. 0	· · /													
			Byte#	0	1	2	3	4 5	6	7	8 9	10	11	12	13	14	15	16	17 :	18 1	19 20	21	22	23 2	4 25	5 26	27	28	29	30 3:	1 32	33	34	35	36	37 3	8 39	40	41	42	43	44	45 46
[20:16:39][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 (	0	0	0 2	109	1	0	18	0	49	0 :	127	0 (	0 0	0	0	2 (	3	0	0	0	1	0 0	0	0	0	9	163	0 0	0	240	167	198	75	0	0 0
[20:18:34][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 (	0 0	0	0 2	109	1	0	22	0	49	0 :	127	0 (	0 0	0	0	4 (	1	0	2	0	1	0 0	0	0	0	6	166	0 0	0	240	167	198	75	0	0 0
[20:18:39][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 (	0	0	0 2	109	1	0	22	0	49	0 :	127	0 (	0 0	0	0	4 (	1	0	2	0	1	0 0	0	0	0	6	166	0 0	0	240	167	198	75	0	0 0
[20:18:44][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 (	0	0	0 2	109	1	0	22	0	48	0 :	127	0 (	0 0	0	0	4 (	1	0	2	0	1	0 0	0	0	0	6	165	0 0	0	240	167	198	75	0	0 0

## Then I pressed ECO SENSOR only to get ECO-1 mode. FAN speed remains medium.

[20:23:28][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:23:29][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 16 17 0 0 0 0 0 9 201 0 0 0 240 167 198 75 0 0 0

[20:23:29][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:23:29][D][Debug:321]: Status byte 28: 0x0 --> 0x10 [20:23:29][D][Debug:321]: Status byte 36: 0xB9 --> 0xC9 [20:23:29][D][climate:373]: 'Haier AC4' - Sending state: [20:23:29][D][climate:376]: Mode: HEAT\_COOL [20:23:29][D][climate:381]: Fan Mode: LOW [20:23:29][D][climate:393]: Swing Mode: OFF

[20:23:29][D][climate:396]: Current Temperature: 24.00°C [20:23:29][D][climate:402]: Target Temperature: 25.00°C

[20:23:33][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:23:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 16 17 0 0 0 0 0 9 201 0 0 0 240 167 198 75 0 0 0

[20:23:34][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:23:34][D][climate:373]: 'Haier AC4' - Sending state: [20:23:34][D][climate:376]: Mode: HEAT\_COOL [20:23:34][D][climate:381]: Fan Mode: LOW [20:23:34][D][climate:393]: Swing Mode: OFF

[20:23:34][D][climate:396]: Current Temperature: 24.00°C [20:23:34][D][climate:402]: Target Temperature: 25.00°C

[20:23:38][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:23:39][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 16 17 0 0 0 0 0 9 201 0 0 0 240 167 198 75 0 0 0

[20:23:39][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:23:39][D][climate:373]: 'Haier AC4' - Sending state: [20:23:39][D][climate:376]: Mode: HEAT\_COOL [20:23:39][D][climate:381]: Fan Mode: LOW [20:23:39][D][climate:393]: Swing Mode: OFF

[20:23:39][D][climate:396]: Current Temperature: 24.00°C [20:23:39][D][climate:402]: Target Temperature: 25.00°C

[20:23:43][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:23:44][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 16 17 0 0 0 0 0 9 201 0 0 0 240 167 198 75 0 0 0

# +++

To allow quickly compare the initial and final Readed message ALBA, I copied them here (first row in this table [marked in yellow] has been copied from the last row of the previous table). The changed bytes have been marked in blue:

to anoth denoted a comband						,				,						,																														
			Byte #	0	1	2	3	4	5 6	7	8 9	10	11	12	13	14	15	16	17	18	19	20 2	21 2	2 23	3 24	25	26	27	28	29	30 3	1 3	2 33	34	35	36	37	38	39	40	41	42	43	44	45	46
[20:18:44][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0	48	0	127	0	0	0 (	0 0	4	0	1	0	2	0	1	0 0	0	0	0	6	165	0	0	0	240	167	198	75	0	0	0
[20:23:29][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0	49	0	127	0	0	0 (	0 0	4	0	1	0	2	16	17	0 0	0	0	0	9	201	0	0	0	240	167	198	75	0	0	0
[20:23:34][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0	49	0	127	0	0	0 0	0 0	4	0	1	0	2	16	17	0 0	0	0	0	9	201	0	0	0	240	167	198	75	0	0	0
[20:23:39][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0	49	0	127	0	0	0 (	0 0	4	0	1	0	2	16	17	0 0	0	0	0	9	201	0	0	0	240	167	198	75	0	0	0
[20:23:44][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0	49	0	127	0	0	0 (	0 0	4	0	1	0	2	16	17	0 0	0	0	0	9	201	0	0	0	240	167	198	75	0	0	0

# Then I pressed ECO SENSOR one more time to get ECO-2. Here are the results:

[20:26:23][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:26:24][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 16 17 0 0 0 0 0 9 201 0 0 0 240 167 198 75 0 0 0

[20:26:24][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:26:24][D][Debug:321]: Status byte 15: 0x32 --> 0x31 [20:26:24][D][Debug:321]: Status byte 36: 0xCA --> 0xC9 [20:26:24][D][climate:373]: 'Haier AC4' - Sending state: [20:26:24][D][climate:376]: Mode: HEAT\_COOL [20:26:24][D][climate:381]: Fan Mode: LOW [20:26:24][D][climate:393]: Swing Mode: OFF

[20:26:24][D][climate:396]: Current Temperature: 24.00°C [20:26:24][D][climate:402]: Target Temperature: 25.00°C

[20:26:28][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:26:29][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 50 0 127 0 0 0 0 0 4 0 1 0 2 16 17 0 0 0 0 0 9 202 0 0 0 240 167 198 75 0 0 0

[20:26:29][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:26:29][D][Debug:321]: Status byte 15: 0x31 --> 0x32 [20:26:29][D][Debug:321]: Status byte 36: 0xC9 --> 0xCA [20:26:29][D][climate:373]: 'Haier AC4' - Sending state: [20:26:29][D][climate:376]: Mode: HEAT\_COOL [20:26:29][D][climate:381]: Fan Mode: LOW [20:26:29][D][climate:393]: Swing Mode: OFF

[20:26:29][D][climate:396]: Current Temperature: 25.00°C [20:26:29][D][climate:402]: Target Temperature: 25.00°C

[20:26:33][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:26:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 16 17 0 0 0 0 0 9 201 0 0 0 240 167 198 75 0 0 0

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To allow quickly compare the initial and final Readed message ALBA, I copied them here (first row in this table [marked in yellow] has been copied from the last row of the previous table):

		Byte #	0	1	2	3	4 5	6	7	8 9	10	11	12 13	3 14	15	16	17	18	19	20 21	22	23	24 2	25   26	27	28	29 30	31	32	33	34 35	36	37	38	39 4	10	41	42	43 44	45	46
[20:23:44][D][Haier:398]: Read	ded messa	ge ALBA	: 255	255	34	64	0 0	0	0	0 2	109	1	0 2	2 0	49	0	127	0	0	0 0	0	4	0	1 0	2	16	17 0	0	0	0 (	9	201	0	0	0 2	240	167	198	75 0	0	0
[20:26:24][D][Haier:398]: Read	ded messa	ge ALBA	: 255	255	34	64	0 0	0	0	0 2	109	1	0 2	2 0	49	0	127	0	0	0 0	0	4	0 :	1 0	2	16	17 0	0	0	0 (	9	201	0	0	0 2	240	167	198	75 0	0	0
[20:26:29][D][Haier:398]: Read	ded messa	ge ALBA	: 255	255	34	64	0 0	0	0	0 2	109	1	0 2	2 0	50	0	127	0	0	0 0	0	4	0 :	1 0	2	16	17 0	0	0	0 (	9	202	0	0	0 2	240	167	198	75 0	0	0
[20:26:34][D][Haier:398]: Read	ded messa	ge ALBA	: 255	255	34	64	0 0	0	0	0 2	109	1	0 2	2 0	49	0	127	0	0	0 0	0	4	0 :	1 0	2	16	17 0	0	0	0 (	) 9	201	0	0	0 2	240	167	198	75 0	0	0

From the byte values perspective: ECO-1 = ECO-2.

## Then I switched ECO SENSOR off. Here are the results:

[20:27:28][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:27:29][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 50 0 127 0 0 0 0 0 4 0 1 0 2 0 17 0 0 0 0 0 9 186 0 0 0 240 167 198 75 0 0 0

[20:27:29][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:27:29][D][climate:373]: 'Haier AC4' - Sending state: [20:27:29][D][climate:376]: Mode: HEAT\_COOL [20:27:29][D][climate:381]: Fan Mode: LOW [20:27:29][D][climate:393]: Swing Mode: OFF

[20:27:29][D][climate:396]: Current Temperature: 25.00°C [20:27:29][D][climate:402]: Target Temperature: 25.00°C

[20:27:33][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:27:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 50 0 127 0 0 0 0 0 4 0 1 0 2 0 17 0 0 0 0 0 9 186 0 0 0 240 167 198 75 0 0 0

[20:27:34][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:27:34][D][climate:373]: 'Haier AC4' - Sending state: [20:27:34][D][climate:376]: Mode: HEAT\_COOL [20:27:34][D][climate:381]: Fan Mode: LOW [20:27:34][D][climate:393]: Swing Mode: OFF

[20:27:34][D][climate:396]: Current Temperature: 25.00°C [20:27:34][D][climate:402]: Target Temperature: 25.00°C

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To anow quickly compare the initial and i	mid nead	cu messe	PC VED	<del>-1, 1 cop</del>	nea til	2111 1101	C (	7C 1 O 11	tillo tu	abic [i		cu iii yei		us se	, c ,	pica i		ne iase		or the	Picti	Jus tub	<u></u>																
	Byt	rte# 0	1	2	3 4	4 5	6 7	8 9	10	11	12	13 14	15	16	17	18	19 2	0 21	22	23 2	24 25	5 26	27 2	8 29	30	31	32	33 3	4 35	36	37	38	39	40	41	42	43	44 4	5 46
[20:26:34][D][Haier:398]: Readed mes	essage AL	BA: 25	5 255	34	64 (	0 0	0 0	0 2	109	1	0	22 0	49	0	127	0	0 0	0	0	4 (	) 1	0	2 1	6 17	0	0	0	0 0	9	201	0	0	0	240	167	198	75	0 (	0
[20:27:29][D][Haier:398]: Readed mes	essage AL	BA: 25	5 255	34	64 (	) 0	0 0	0 2	109	1	0	22 0	50	0	127	0	0 0	0	0	4 (	) 1	0	2 0	17	0	0	0	0 0	9	186	0	0	0	240	167	198	75	0 (	0
[20:27:34][D][Haier:398]: Readed mes	essage Al	BA: 25	5 255	34	64 (	) 0	0 0	0 2	109	1	0	22 0	50	0	127	0	0 0	0 0	0	4 (	) 1	0	2 0	17	0	0	0	0 0	9	186	0	0	0	240	167	198	75	0 (	0 (

# Then I pressed HEALTH mode. Here are the results

[20:28:23][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:28:24][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 0 25 0 0 0 0 0 9 193 0 0 0 240 167 198 75 0 0 0

[20:28:24][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:28:24][D][Debug:321]: Status byte 29: 0x11 --> 0x19 [20:28:24][D][Debug:321]: Status byte 36: 0xB9 --> 0xC1 [20:28:24][D][climate:373]: 'Haier AC4' - Sending state: [20:28:24][D][climate:376]: Mode: HEAT\_COOL

[20:28:24][D][climate:381]: Fan Mode: LOW [20:28:24][D][climate:393]: Swing Mode: OFF

[20:28:24][D][climate:396]: Current Temperature: 24.00°C [20:28:24][D][climate:402]: Target Temperature: 25.00°C

[20:28:28][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:28:29][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 0 25 0 0 0 0 0 9 193 0 0 0 240 167 198 75 0 0 0

[20:28:29][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:28:29][D][climate:373]: 'Haier AC4' - Sending state: [20:28:29][D][climate:376]: Mode: HEAT\_COOL [20:28:29][D][climate:381]: Fan Mode: LOW [20:28:29][D][climate:393]: Swing Mode: OFF

[20:28:29][D][climate:396]: Current Temperature: 24.00°C [20:28:29][D][climate:402]: Target Temperature: 25.00°C

[20:28:33][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:28:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 4 0 1 0 2 0 25 0 0 0 0 0 9 193 0 0 0 240 167 198 75 0 0 0

[20:28:34][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:28:34][D][climate:373]: 'Haier AC4' - Sending state: [20:28:34][D][climate:376]: Mode: HEAT COOL [20:28:34][D][climate:381]: Fan Mode: LOW [20:28:34][D][climate:393]: Swing Mode: OFF

[20:28:34][D][climate:396]: Current Temperature: 24.00°C [20:28:34][D][climate:402]: Target Temperature: 25.00°C

To allow quickly compare the initial	and final K	eaueu m	iessage	ALDA,	, і сорі	iea tne	em ne	re (III	rst row	ın tn	is tabi	e įma	rkea	ın yenc	owj na	is be	en cop	oiea i	rom t	ne iast	row	or the	prev	ious t	abiej:																	
		Byte #	0	1	2	3 4	5	6	7 8	9 1	10	11 12	2 13	14	15	16	17	18	19 2	0 21	22	23	24	25 26	5 27	28	29	30	31 3	32 33	34	35	36	37	38	39	40	41	42	43 4	4 45	5 46
[20:27:34][D][Haier:398]: Readed	message	ALBA:	255	255	34	64 C	0	0	0 0	2 1	109	1 0	22	2 0	50	0	127	0	0 (	0	0	4	0	1 0	2	0	17	0	0 (	0	0	9	186	0	0	0 /	240	167	198	75 0	0	0
[20:28:24][D][Haier:398]: Readed	message	ALBA:	255	255	34	64 C	0 0	0	0 0	2 1	109	1 0	22	2 0	49	0	127	0	0 0	0	0	4	0	1 0	2	0	25	0	0 (	0	0	9	193	0	0	0 (	240	167	198	75 0	) 0	0
[20:28:29][D][Haier:398]: Readed	message	ALBA:	255	255	34	64 C	0 0	0	0 0	2 1	109	1 0	22	2 0	49	0	127	0	0 0	0	0	4	0	1 0	2	0	25	0	0 (	0	0	9	193	0	0	0 (	240	167	198	75 0	) 0	0
[20:28:34][D][Haier:398]: Readed	message	ALBA:	255	255	34	64 C	0	0	0 0	2 1	109	1 0	22	2 0	49	0	127	0	0 (	0	0	4	0	1 0	2	0	25	0	0 (	0	0	9	193	0	0	0 ′	240	167	198	75 0	0	0

Then I pressed SMART mode. FAN speed goes AUTO, Swing vert goes most upper position, swing horizontal goes center. Here are the results [20:29:43][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180 [20:29:44][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 50 0 127 0 0 0 0 0 0 0 0 17 0 0 0 0 0 8 181 0 0 0 240 167 198 75 0 0 0 [20:29:44][D][Debug:321]: Status byte 5: 0x8 --> 0x0 [20:29:44][D][Debug:321]: Status byte 23: 0x4 --> 0x0 [20:29:44][D][Debug:321]: Status byte 25: 0x1 --> 0x3 [20:29:44][D][Debug:321]: Status byte 27: 0x2 --> 0x0 [20:29:44][D][Debug:321]: Status byte 29: 0x19 --> 0x11 [20:29:44][D][Debug:321]: Status byte 35: 0x9 --> 0x8 [20:29:44][D][Debug:321]: Status byte 36: 0xC2 --> 0xB5 [20:29:44][D][climate:373]: 'Haier AC4' - Sending state: [20:29:44][D][climate:376]: Mode: HEAT COOL [20:29:44][D][climate:381]: Fan Mode: LOW [20:29:44][D][climate:393]: Swing Mode: OFF [20:29:44][D][climate:396]: Current Temperature: 25.00°C [20:29:44][D][climate:402]: Target Temperature: 24.00°C [20:29:48][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180 [20:29:49][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 0 0 0 17 0 0 0 0 0 8 180 0 0 0 240 167 198 75 0 0 0 [20:29:49][D][Debug:321]: Status byte 5: 0x8 --> 0x0

[20:29:49][D][Debug:321]: Status byte 15: 0x32 --> 0x31 [20:29:49][D][Debug:321]: Status byte 36: 0xB5 --> 0xB4 [20:29:49][D][climate:373]: 'Haier AC4' - Sending state: [20:29:49][D][climate:376]: Mode: HEAT\_COOL [20:29:49][D][climate:381]: Fan Mode: LOW [20:29:49][D][climate:393]: Swing Mode: OFF

[20:29:49][D][climate:396]: Current Temperature: 24.00°C [20:29:49][D][climate:402]: Target Temperature: 24.00°C

[20:29:53][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:29:54][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 50 0 127 0 0 0 0 0 0 0 17 0 0 0 0 0 8 181 0 0 0 240 167 198 75 0 0 0

[20:29:54][D][Debug:321]: Status byte 5: 0x8 --> 0x0 [20:29:54][D][Debug:321]: Status byte 15: 0x31 --> 0x32 [20:29:54][D][Debug:321]: Status byte 36: 0xB4 --> 0xB5 [20:29:54][D][climate:373]: 'Haier AC4' - Sending state: [20:29:54][D][climate:376]: Mode: HEAT\_COOL [20:29:54][D][climate:381]: Fan Mode: LOW [20:29:54][D][climate:393]: Swing Mode: OFF

[20:29:54][D][climate:396]: Current Temperature: 25.00°C [20:29:54][D][climate:402]:

Target Temperature: 24.00°C

	Byte #	0	1 2	2 3	4	5 6	7	8 9	10	11	12	13 14	15	16	17	18	19 2	0 21	22	23	24 2	5 26	27	28 29	30	31	32	33 3	34 35	36	37	38 39	40	41	42	43 4	4 45	46
[20:28:34][D][Haier:398]: Readed messag	ge ALBA:	255	255	34 6	4 0	0 0	0	0 2	109	1	0	22 0	49	0	127	0	0 0	0	0	4	0 1	. 0	2	0 2	5 0	0	0	0 (	9	193	0	0 0	240	167	198	75 0	0	0
[20:29:44][D][Haier:398]: Readed messag	ge ALBA:	255	255	34 6	4 0	0 0	0	0 2	109	1	0	22 0	50	0	127	0	0 0	0	0	0	0 3	0	0	0 1	7 0	0	0	0 (	8 (	181	0	0 0	240	167	198	75 0	0	0
[20:29:49][D][Haier:398]: Readed messag	ge ALBA:	255	255	34 6	4 0	0 0	0	0 2	109	1	0	22 0	49	0	127	0	0 0	0	0	0	0 3	0	0	0 1	7 0	0	0	0 (	8 (	180	0	0 0	240	167	198	75 0	0	0
[20:29:54][D][Haier:398]: Readed messag	ge ALBA:	255	255	34 6	4 0	0 0	0	0 2	109	1	0	22 0	50	0	127	0	0 0	0	0	0	0 3	0	0	0 1	7 0	0	0	0 (	8 (	181	0	0 0	240	167	198	75 0	0	0

Then I pressed COOL with 25C setpoint and FAN speed: AUTO. It was necessary to switch to QUIET position in the next step. QUIET mode is accessible only when COOL or DRY or HEAT or AUTO is ON.

[20:32:18][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180 [20:32:19][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 0 0 0 25 0 0 0 0 0 9 187 0 0 0 240 167 198 75 0 0 0 [20:32:19][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:32:19][D][Debug:321]: Status byte 25: 0x1 --> 0x0 [20:32:19][D][Debug:321]: Status byte 36: 0xBC --> 0xBB [20:32:19][D][climate:373]: 'Haier AC4' - Sending state: [20:32:19][D][climate:376]: Mode: HEAT COOL [20:32:19][D][climate:381]: Fan Mode: LOW [20:32:19][D][climate:393]: Swing Mode: OFF [20:32:19][D][climate:396]: Current Temperature: 24.00°C [20:32:19][D][climate:402]: Target Temperature: 25.00°C [20:32:23][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180 [20:32:24][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 25 0 0 0 0 0 9 190 0 0 240 167 198 75 0 0 0 [20:32:24][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:32:24][D][Debug:321]: Status byte 25: 0x0 --> 0x3 [20:32:24][D][Debug:321]: Status byte 36: 0xBB --> 0xBE [20:32:24][D][climate:373]: 'Haier AC4' - Sending state: [20:32:24][D][climate:376]: Mode: HEAT COOL Fan Mode: LOW [20:32:24][D][climate:381]:

[20:32:24][D][climate:393]: Swing Mode: OFF [20:32:24][D][climate:396]: Current Temperature: 24.00°C

[20:32:24][D][climate:402]: Target Temperature: 25.00°C

[20:32:28][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:32:29][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 25 0 0 0 0 0 9 190 0 0 240 167 198 75 0 0 0

[20:32:29][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:32:29][D][climate:373]: 'Haier AC4' - Sending state: [20:32:29][D][climate:376]: Mode: HEAT COOL [20:32:29][D][climate:381]: Fan Mode: LOW [20:32:29][D][climate:393]: Swing Mode: OFF

[20:32:29][D][climate:396]: Current Temperature: 24.00°C [20:32:29][D][climate:402]: Target Temperature: 25.00°C

[20:32:33][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:32:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 25 0 0 0 0 0 9 190 0 0 0 240 167 198 75 0 0 0

[20:32:34][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:32:34][D][climate:373]: 'Haier AC4' - Sending state: [20:32:34][D][climate:376]: Mode: HEAT\_COOL [20:32:34][D][climate:381]: Fan Mode: LOW [20:32:34][D][climate:393]: Swing Mode: OFF

[20:32:34][D][climate:396]: Current Temperature: 24.00°C [20:32:34][D][climate:402]: Target Temperature: 25.00°C

		Byte #	0	1	2	3	4 5	6	7	8 9	10	11	12	13	14	15 1	5 17	18	19	20	21	22	23 2	4 25	26	27	28 2	29 3	0 31	32	33	34	35	36	37	38 3	9 40	41	42	43	44	45 46
[20:29:54][D][Haier:398]: Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	50 0	12	7 0	0	0	0	0 (	0 0	3	0	0	0 1	17 (	0	0	0	0	8	181	0	0 0	24	0 16	7 198	75	0	0 0
[20:32:19][D][Haier:398]: Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	<b>49</b> 0	12	7 0	0	0	0	0	1 0	0	0	0	0 2	25 C	0	0	0	0	9	187	0	0 0	24	0 16	7 198	75	0	0 0
[20:32:24][D][Haier:398]: Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	<b>49</b> 0	12	7 0	0	0	0	0	1 0	3	0	0	0 2	25 (	0	0	0	0	9	190	0	0 0	24	0 16	7 198	75	0	0 0
[20:32:29][D][Haier:398]: Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	<b>49</b> 0	12	7 0	0	0	0	0	1 0	3	0	0	0 2	<b>25</b> C	0	0	0	0	9	190	0	0 0	24	0 16	7   198	75	0	0 0
[20:32:34][D][Haier:398]: Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	<b>49</b> 0	12	7 0	0	0	0	0	1 0	3	0	0	0 2	25 (	0	0	0	0	9	190	0	0 0	24	0 16	7 198	75	0	0 0

## Then I pressed QUIET mode. Here are the results:

[20:34:38][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:34:39][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 25 0 4 0 0 0 9 194 0 0 0 240 167 198 75 0 0 0

[20:34:39][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:34:39][D][Debug:321]: Status byte 31: 0x0 --> 0x4 [20:34:39][D][Debug:321]: Status byte 36: 0xBE --> 0xC2 [20:34:39][D][climate:373]: 'Haier AC4' - Sending state: [20:34:39][D][climate:376]: Mode: HEAT\_COOL [20:34:39][D][climate:381]: Fan Mode: LOW

[20:34:39][D][climate:393]: Swing Mode: OFF

[20:34:39][D][climate:396]: Current Temperature: 24.00°C [20:34:39][D][climate:402]: Target Temperature: 25.00°C

[20:34:43][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:34:44][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 25 0 4 0 0 0 9 194 0 0 0 240 167 198 75 0 0 0

[20:34:44][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:34:44][D][climate:373]: 'Haier AC4' - Sending state: [20:34:44][D][climate:376]: Mode: HEAT\_COOL [20:34:44][D][climate:381]: Fan Mode: LOW [20:34:44][D][climate:393]: Swing Mode: OFF

[20:34:44][D][climate:396]: Current Temperature: 24.00°C [20:34:44][D][climate:402]: Target Temperature: 25.00°C

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	Byte #	0	1	2 3	4	5 6	7	8 9	10	11 :	12 :	13 14	15	16	17	18 1	19 20	21	22	23 2	4 25	26	27 28	29	30	31 3	32 33	34	35	36	37 3	8 39	40	41	42	43 4	14 45	46
[20:32:34][D][Haier:398]: Readed	message ALBA:	255	255	34 6	64 0	0 0	0	0 2	109	1 (	0 :	22 0	49	0	127	0 (	0	0	0	1 0	3	0	0 0	25	0	0 (	0	0	9	190	0 0	0	240	167	198	75 (	0	0
[20:34:39][D][Haier:398]: Readed																	0 0	10	0	1 0	3	0	0 0	25	0	4 (	0	0	9	194	0 0	0	240	167	198	75 (	0 0	0
[20:34:44][D][Haier:398]: Readed	message ALBA:	255	255	34 6	64 0	0 0	0	0 2	109	1 (	0	22 0	49	0	127	0 (	0 0	0	0	1 0	3	0	0 0	25	0	4 (	0	0	9	194	0 0	0	240	167	198	75 (	0 0	0

# Then I pressed SELF CLEAN mode but nothing has been changed in the protocol frames. See table below:

[20:35:28][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:35:29][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 25 0 4 0 0 0 9 194 0 0 0 240 167 198 75 0 0 0

[20:35:29][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:35:29][D][climate:373]: 'Haier AC4' - Sending state: [20:35:29][D][climate:376]: Mode: HEAT\_COOL [20:35:29][D][climate:381]: Fan Mode: LOW [20:35:29][D][climate:393]: Swing Mode: OFF

[20:35:29][D][climate:396]: Current Temperature: 24.00°C [20:35:29][D][climate:402]: Target Temperature: 25.00°C

[20:35:33][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:35:34][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 25 0 4 0 0 0 9 194 0 0 0 240 167 198 75 0 0 0

[20:35:34][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:35:34][D][climate:373]: 'Haier AC4' - Sending state: [20:35:34][D][climate:376]: Mode: HEAT\_COOL [20:35:34][D][climate:381]: Fan Mode: LOW [20:35:34][D][climate:393]: Swing Mode: OFF

[20:35:34][D][climate:396]: Current Temperature: 24.00°C [20:35:34][D][climate:402]: Target Temperature: 25.00°C

[20:35:38][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 0 1 77 1 153 179 180

[20:35:39][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 25 0 4 0 0 0 9 194 0 0 0 240 167 198 75 0 0 0

[20:35:39][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:35:39][D][climate:373]: 'Haier AC4' - Sending state: [20:35:39][D][climate:376]: Mode: HEAT\_COOL [20:35:39][D][climate:381]: Fan Mode: LOW [20:35:39][D][climate:393]: Swing Mode: OFF

[20:35:39][D][climate:396]: Current Temperature: 24.00°C [20:35:39][D][climate:402]: Target Temperature: 25.00°C

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			Byte #	0	1	2	3	4	5 6	7	8 9	10	11	12	13	14 15	5 16	5 17	18	19	20	21	22 2	23 24	25	26	27 2	3 29	30	31	32 3	34	1 35	36	37	38	39	40	41	42	43	44	45 46	1
[20:34:44][D][Haier:398]: F	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0 4	9 0	127	0	0	0	0	0 :	1 0	3	0	0 0	25	0	4	0 (	0	9	194	0	0	0	240	167	198	75	0	0 0	
[20:35:29][D][Haier:398]: F	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0 4	9 0	127	0	0	0	0	0 :	1 0	3	0	0 0	25	0	4	0 (	0 0	9	194	0	0	0	240	167	198	75	0	0 0	
[20:35:34][D][Haier:398]: F	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0 4	9 0	127	0	0	0	0	0 :	1 0	3	0	0 0	25	0	4	0 (	0 0	9	194	0	0	0	240	167	198	75	0	0 0	
[20:35:39][D][Haier:398]: F	Readed	message	ALBA:	255	255	34	64	0	0 0	0	0 2	109	1	0	22	0 4	9 0	127	0	0	0	0	0 :	1 0	3	0	0 0	25	0	4	0 (	0	9	194	0	0	0	240	167	198	75	0	0 0	

Finally I switched device OFF: [20:37:03][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180 [20:37:04][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 48 0 127 0 0 0 0 0 1 0 3 0 0 0 24 0 0 0 0 0 9 188 0 0 0 240 167 198 75 0 0 0 [20:37:04][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:37:04][D][Debug:321]: Status byte 15: 0x31 --> 0x30 [20:37:04][D][Debug:321]: Status byte 29: 0x19 --> 0x18 [20:37:04][D][Debug:321]: Status byte 31: 0x4 --> 0x0 [20:37:04][D][Debug:321]: Status byte 36: 0xC2 --> 0xBC [20:37:04][D][climate:373]: 'Haier AC4' - Sending state: [20:37:04][D][climate:376]: Mode: HEAT COOL [20:37:04][D][climate:381]: Fan Mode: LOW [20:37:04][D][climate:393]: Swing Mode: OFF [20:37:04][D][climate:396]: Current Temperature: 24.00°C [20:37:04][D][climate:402]: Target Temperature: 25.00°C [20:37:08][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180 [20:37:09][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 48 0 127 0 0 0 0 0 1 0 3 0 0 0 24 0 0 0 0 0 9 188 0 0 0 240 167 198 75 0 0 0 [20:37:09][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:37:09][D][climate:373]: 'Haier AC4' - Sending state: [20:37:09][D][climate:376]: Mode: HEAT\_COOL [20:37:09][D][climate:381]: Fan Mode: LOW [20:37:09][D][climate:393]: Swing Mode: OFF [20:37:09][D][climate:396]: Current Temperature: 24.00°C [20:37:09][D][climate:402]: Target Temperature: 25.00°C [20:37:13][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180 [20:37:14][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 24 0 0 0 0 9 189 0 0 0 240 167 198 75 0 0 0 [20:37:14][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:37:14][D][Debug:321]: Status byte 15: 0x30 --> 0x31 [20:37:14][D][Debug:321]: Status byte 36: 0xBC --> 0xBD Fan Mode: LOW [20:37:14][D][climate:393]: Swing Mode: OFF

[20:37:14][D][climate:373]: 'Haier AC4' - Sending state: [20:37:14][D][climate:376]: Mode: HEAT COOL [20:37:14][D][climate:381]:

[20:37:14][D][climate:396]: Current Temperature: 24.00°C [20:37:14][D][climate:402]: Target Temperature: 25.00°C

[20:37:18][D][Haier:373]: POLL: 255 255 10 64 0 0 0 0 1 77 1 153 179 180

[20:37:19][D][Haier:398]: Readed message ALBA: 255 255 34 64 0 0 0 0 0 2 109 1 0 22 0 49 0 127 0 0 0 0 0 1 0 3 0 0 0 24 0 0 0 0 9 189 0 0 0 240 167 198 75 0 0 0

[20:37:19][D][Debug:321]: Status byte 5: 0x9 --> 0x0 [20:37:19][D][climate:373]: 'Haier AC4' - Sending state: [20:37:19][D][climate:376]: Mode: HEAT\_COOL [20:37:19][D][climate:381]: Fan Mode: LOW [20:37:19][D][climate:393]: Swing Mode: OFF

[20:37:19][D][climate:396]: Current Temperature: 24.00°C [20:37:19][D][climate:402]: Target Temperature: 25.00°C

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			Byte #	0	1	2	3	4 5	6	7	8 9	10	11	12	13	14	15	16	17	18	19 2	20 2	1 22	2 23	24	25	26 2	27 28	29	30	31	32	33 3	34 3	5 36	117	37 38	39	40	41	42	43	44	45	46
[20:35:39][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	49	0	127	0	0 (	0 0	0	1	0	3	0 (	0	25	0	4	0	0 0	9	194	4 (	0	0	240	167	198	75	0	0	0
[20:37:04][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	48	0	127	0	0 (	0 0	0	1	0	3	0 (	0 0	24	0	0	0	0 0	) 9	188	8 (	0	0	240	167	198	75	0	0	0
[20:37:09][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	48	0	127	0	0 (	0 0	0	1	0	3	0 (	0 0	24	0	0	0	0 0	) 9	188	8 (	0	0	240	167	198	75	0	0	0
[20:37:14][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	49	0	127	0	0 (	0 0	0	1	0	3	0 (	0 0	24	0	0	0	0 0	) 9	189	9 (	0	0	240	167	198	75	0	0	0
[20:37:19][D][Haier:398]:	Readed	message	ALBA:	255	255	34	64	0 0	0	0	0 2	109	1	0	22	0	49	0	127	0	0 (	0 0	0	1	0	3	0 (	0 0	24	0	0	0	0 0	) 9	189	9 (	0	0	240	167	198	75	0	0	0