



APAC SKB UE878-based RCU

Database Specification

February 14, 2019

Rev v0.10

KeyedIn Project Code: PRJ6138

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Database Specification

Revision History

Specification		Sect.	Update Description	By
Rev	Date			
Rev A	02/14/19	All	Initial customer release	Minoh
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1 Introduction

1.1 Purpose & Description

This document describes the **Database** requirements for SKB UE878-based RCU 2018.

- BUE-BA01
- BUE-SR01

1.2 Key Table for BA01

No	Key	Key (English)
1	통합전원	All Power
2	TV 전원	TV Power
3	B tv 전원	B tv(STB) Power
4	전체메뉴	All Menu
5	선호채널	Favorite Channel
6	편성표	Guide
7	TV 음량+	TV Vol +
8	TV 음량-	TV Vol -
9	TV 외부입력	TV Input
10	조용히	Mute
11	구글어시스턴트	Google Assistant
12	홈	Home
13	키즈	Kids Zone
14	음량+	Vol+
15	음량-	Vol-
16	▲(상)	Up
17	▼(하)	Down
18	◀(좌)	Left
19	▶(우)	Right
20	OK	OK
21	채널A	ChannelA
22	채널V	ChannelV
23	이전	Previous
24	나가기	Exit
25	마이크	Mic
26	◀◀(되감기)/ R	Rewind / R
27	▶▶(빨리감기)/ B	Fast Forward / B
28	1	1
29	2	2
30	3	3
31	4	4
32	5	5
33	6	6
34	7	7
35	8	8
36	9	9
37	*/문자지움	*/Delete
38	0	0
39	#/문자변환	#/Language



1.3 IR Configuration

1.3.1 Default Devices & Settings

Device	Default Code
Cable	C6026(Default Codeset), C6027 (Mode 2)
TV	T1860 + T2051 (LG + Samsung Combo Codeset)

1.3.2 Library Requirements

1.3.2.1 STB Codeset

- Standard NEC protocol
- However, Some keys, like <All Power>, <Home>, use the combo signal to send the SKB-specific IR code (this is handled by RCU FW separately)
- <HOME> key requires Break code (not All other keys should not have Break code)

1.3.2.2 TV Codesets

- Embedded codeset required

1.3.3 Device Mode Mapping

Device	Default Code	Device Type
Universal TV	T	1

1.4 STB IR / RF Key Physical Key Table

No	Key name	Key Name	ST B	TV	MODE1 CUSTOM 0x807F	MODE2 CUSTOM 0xF5A0	Page	Usage ID
		(in English)			C6026	C6027		
1	통합전원	All Power	V	V	BTV Power + TV Power	BTV Power + TV Power		
2	TV 전원	TV Power		V	[0x02FD]+[0x08F7]	[0x02FD]+[0x08F7]		
3	B tv 전원	B tv(STB) Power	V		0x01FE	0x01EF	0x07	0x0100
4	전체메뉴	All Menu	V		0x47B8	0x478B	0x07	0x4700
5	선호채널	Favorite Channel	V		0x56A9	0x569A	0x07	0x5600
6	편성표	Guide	V		0x6D92	0x6D29	0x07	0x6D00
7	TV 음량+	TV Vol +		V	[0x07F8]+[0x02FD]	[0x07F8]+[0x02FD]		
8	TV 음량-	TV Vol -		V	[0x0BF4]+[0x03FC]	[0x0BF4]+[0x03FC]		
9	TV 외부입력	TV Input		V				
10	조용히	Mute	V		0x45BA	0x45AB	0x07	0x4500
11	구글어시스턴트	Google Assistant	V		0xD42B	0xD4B2	0x07	0x2102
12	홈	Home	V		0x02FD	0x02DF	0x07	0x0200
13	키즈	Kids Zone	V		0x58A7	0x587A	0x07	0x5800
14	음량+	Vol+	V		0x43BC	0x43CB	0x07	0x4300

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15	음량-	Vol-	V		0x42BD	0x42DB	0x07	0x4200
16	▲(상)	Up	V		0x49B6	0x496B	0x07	0x4900
17	▼(하)	Down	V		0x4AB5	0x4A5B	0x07	0x4A00
18	◀(좌)	Left	V		0x4BB4	0x4B4B	0x07	0x4B00
19	▶(우)	Right	V		0x4CB3	0x4C3B	0x07	0x4C00
20	OK	OK	V		0x46B9	0x469B	0x07	0x4600
21	채널^	Channel^	V		0x40BF	0x40FB	0x07	0x4000
22	채널v	ChannelV	V		0x41BE	0x41EB	0x07	0x4100
23	이전	Previous	V		0x4EB1	0x4E1B	0x07	0x4E00
24	나가기	Exit	V		0x34CB	0x34BC	0x07	0x3400
25	마이크	Mic	V		0xD12E	0xD1E2	0x07	0x2300
26	◀◀(되감기)/ R	Rewind / R	V		0x609F	0x60F9	0x07	0x6000
27	▶▶(빨리감기) / B	Fast Forward / B	V		0x639C	0x63C9	0x07	0x6300
28	1	1	V		0x21DE	0x21ED	0x07	0x2100
29	2	2	V		0x22DD	0x22DD	0x07	0x2200
30	3	3	V		0x23DC	0x23CD	0x07	0x2300
31	4	4	V		0x24DB	0x24BD	0x07	0x2400
32	5	5	V		0x25DA	0x25AD	0x07	0x2500
33	6	6	V		0x26D9	0x269D	0x07	0x2600
34	7	7	V		0x27D8	0x278D	0x07	0x2700
35	8	8	V		0x28D7	0x287D	0x07	0x2800
36	9	9	V		0x29D6	0x296D	0x07	0x2900
37	*/문자지움	*/Delete	V		0x2AD5	0x2A5D	0x07	0x2A00
38	0	0	V		0x20DF	0x20FD	0x07	0x2000
39	#/문자변환	#/Language	V		0x2BD4	0x2B4D	0x07	0x2B00

Virtual Key Table

40	I ◀◀뒤건너뛰기	Skip Reverse	V		0x649B	0x64B9	0x07	0x6400
41	▶/II (재생/일시정지)	Play/Pause	V		0x629D	0x62D9	0x07	0x6200
42	▶▶ I (앞건너뛰기)	Skip Forward	V		0x659A	0x65A9	0x07	0x6500
43	123	123	V		0x2CD3	0x2C3D	0x07	
44	음량 STB 로 설정	Volume lock to STB	V		0x916E	0x91E6	0x07	
45	음량 TV 로 설정	Volume lock to TV	V		0x926D	0x92D6	0x07	
46	선호채널 Up	Favorite Channel Up	V		0x956A	0x95A6	0x07	
47	선호채널 Down	Favorite Channel Down	V		0x9669	0x9696	0x07	
48	Channel Toggle	Ch for All Ch (a)	V		0x936C	0x93C6	0x07	0x9300
49		Ch for Fav Ch (B)	V		0x946B	0x94B6	0x07	0x9400

Special Key Table

1	Normal Battery	Normal Battery	V		0x3AC5	0x3A5C	0x07	0x3A00
2	Low Battery	Low Battery	V		0x3BC4	0x3B4C	0x07	0x3B00

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3	Empty Battery	Empty Battery	V		0x3CC3	0x3C3C	0x07	0x3C00
4	EarJack Insert	EarJack Insert	V		0x3DC2	0x3D2C	0x07	0x3D00+0x FFFF
5	Break Data Code	Break Data Code	V		0xFF00	0xFF00	0x07	0xFFFF
6	동조 시작	TV Sync Start	V		0x54AB	0x54BA	0x07	0x5400+0x FFFF
7	동조 종료	Sync Stop	V		0x55AA	0x55AA	0x07	0x5500+0x FFFF
8	드래그 모드(상)	Drag Mode – Up	V		0x8778	0x8787	0x07	0x8700+0x FFFF
9	드래그 모드(하)	Drag Mode – Down	V		0x827D	0x82D7	0x07	0x8200+0x FFFF
10	드래그 모드(좌)	Drag Mode – Left	V		0x837C	0x83C7	0x07	0x8300+0x FFFF
11	드래그 모드(우)	Drag Mode - Right	V		0x847B	0x84B7	0x07	0x8400+0x FFFF
12	IR_RCU_NOT_CO NN	IR_RCU_NOT_CONN	V		0xD22D	0xD2D2	N/A	N/A
13	RTT Voice Start	RTT Voice Start	V		0x906F	0x90F6	0x07	0x9000
14	(Reserved) - TBD	(Reserved)	V		0xD32C	0xD3C2	0x07	0xD300

1.5 TV Key code Load List

T0001	T0354	T1377	T2297	T4646	T7134
T0003	T0374	T1378	T2300	T7098	T7135
T0027	T0391	T1474	T2308	T7099	T7136
T0035	T0402	T1480	T2377	T7106	T7137
T0036	T0425	T1524	T2434	T7107	T7138
T0044	T0463	T1543	T2731	T7108	T7139
T0060	T0482	T1569	T2799	T7109	T7140
T0066	T0491	T1606	T2855	T7110	T7141
T0068	T0571	T1697	T2877	T7111	T7142
T0092	T0627	T1703	T3115	T7112	T7143
T0093	T0634	T1728	T3129	T7113	T7144
T0095	T0653	T1867	T3291	T7114	T7145
T0145	T0672	T1895	T3382	T7115	T7146
T0153	T0683	T1907	T3418	T7116	T7147
T0154	T0698	T1911	T3498	T7118	T7148
T0158	T0810	T1920	T3506	T7119	
T0170	T0813	T1924	T3559	T7120	
T0172	T0835	T1934	T3582	T7121	
T0177	T0841	T1935	T3676	T7122	
T0178	T0876	T1959	T3785	T7123	
T0180	T1046	T1985	T3787	T7124	
T0186	T1130	T2050	T3908	T7125	
T0208	T1152	T2051	T4165	T7127	
T0214	T1244	T2062	T4182	T7128	
T0232	T1273	T2165	T4195	T7129	
T0254	T1294	T2256	T4206	T7130	
T0264	T1298	T2262	T4399	T7131	
T0279	T1371	T2275	T4590	T7132	
T0329	T1373	T2283	T4613	T7133	