



Tripleplay Hybrid Remote Control

User Guide

Issue 2.0

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1 Introduction

This guide describes the hybrid RF/IR Remote Control unit. The unit is designed to be used with Amino X4X STBs and Motorola VIP1003 STBs. The RCU contains a full TV data base so it can be programmed to operate with a wide range of TV devices.

The RCU is supplied with a USB RF dongle which is inserted into the USB port on the STB.

Once correctly programmed, the device operates as follows:

TV Control: The following buttons will control the TV set using IR signals:

Standby (TV-POWER)

Volume +/-

Mute

STB Control: The remainder of the buttons will control the STB using RF. The specific functions for each button depend on the application being used. The RF portion uses the international RF4CE standard and has a range of up to 30 metres.

Before the RCU can be used it must first be paired with the RF dongle it is going to be used with. Then it must be programmed for the make and model of the TV it is going to control.

2 Pairing the Remote with an RF Dongle

To pair the remote with a specific dongle, follow these steps:

1. Make sure there is a fresh set of batteries installed in the RCU
2. Press the PAUSE and OKAY buttons together and hold until the red LED on the RCU flashes.
3. Insert the RF USB dongle into the USB port of the STB. When pairing is complete the red LED will stop flashing.
4. Reboot the STB so the dongle is detected.

You can pair more than one RCU with the same RF dongle so that multiple users can control the same STB.

3 Programming the Remote for a TV

The TV Database contains the following functions:

Standby (TV-POWER)

Volume +/-

Mute

The programmed code and the other settings are retained while changing the batteries.



3.1 Easy programming for the control of your TV SET

This method uses the codes listed in Section 4

1. Switch on your TV SET.
2. In the enclosed code list, find your TV brand or manufacturer (e.g. Sony).
3. Beside the manufacturer's name, you will find one or more 3-digit codes. These codes must be entered into the remote to enable it to work with your particular TV SET.
4. Enter the programming mode by pressing the "<<" and the ">>" together for a minimum of 5 seconds (till the green LED flashes twice).
5. After seeing the 2 flashes and within 5 seconds, enter the 3-digit numerical code from the list.
6. After entering the code, the green LED will flash twice indicating that the code has been accepted, or will light for 2 sec. in the case of a typing error.
7. Point the remote control towards your TV and press the "POWER" key. If your TV does not respond by going into Stand-By mode then repeat steps 3 to 8 and enter the next code in the list.
8. If your TV goes into Stand-By mode when the "POWER" key is pressed, then your remote control has found a compatible code. Next, test all of the other function buttons. If certain functions are not working correctly then restart the process moving on to the next code number as this may well improve the situation.
9. If the codes in the list fail to operate your TV then next move on to the automatic brand search functions (see below).

3.2 Brand search

If programming using the codes in the enclosed list failed to work then you can try the brand code scan. This uses the codes listed in section 5.

1. Switch on your TV SET.
2. Enter the programming mode by pressing the “<<” and the “>>” together for a minimum of 5 seconds (till the green LED flashes twice).
3. After seeing the 2 flashes and within 5 seconds, enter the code **0 0 3**. After entering the code the LED will flash twice indicating that the code has been accepted.
4. After the 2 flashes enter the 3-digit code of the brand/manufacturer. After entering the code the LED will flash twice indicating that the code has been accepted.
5. Press and hold the “POWER” key until your TV switches off. During the brand code scanning you can release the “POWER” key and test other functions. If no key is pressed within 10 sec. then the brand search will be quitted and the remote returns to the normal mode, signalling it by a 2 sec. long lighting of the red LED.

If your TV switches into Stand-By mode during the automatic process, then immediately remove your finger from the “POWER” key and press the “OK” key to memorize the code that has been found. The green LED will flash twice to signalise that the code has been stored.

6. In some cases, during the brand search, the remote control might find several codes that appear to operate your TV etc.; however, some of the buttons will fail to work properly. In this case the remote has found only a partially compatible code and you will need to restart the brand search process (steps 2. to 6.) until a better code is found.

Please note that once the brand search is restarted, the remote continues from the last saved code. After all saved codes have been scanned, the green LED flashes five times and the remote returns to the normal operating mode.

3.3 All Code scan

If programming using the codes in the enclosed list and the brand search failed to work then you must next try the automatic all code scan.

1. Switch on your TV SET.
2. Enter the programming mode by pressing the “<<” and the “>>” together for a minimum of 5 seconds (till the green LED flashes twice).
3. After seeing the 2 flashes and within 5 seconds, enter the code **0 0 1**. After entering the code the LED will flash twice indicating that the code has been accepted.
4. Press and hold the “POWER” key until your TV switches off. Please note that this process might take up to 10 minutes. During the automatic scanning you can release the “POWER” key and test other functions. If no key is pressed within 10 sec. then the automatic code scan will be quitted and the remote returns to the normal mode, signalling it by a 2 sec. long lighting of the green LED.

If your TV switches into Stand-By mode during the automatic process, then immediately remove your finger from the “POWER” key and press the “OK” key to memorize the code that has been found. The green LED will flash twice to signalise that the code has been stored.

5. In some cases, during the automatic scanning search, the remote control might find several codes that appear to operate your TV etc.; however, some of the buttons will fail to work properly. In this case the remote has found only a partially compatible code and you will need to restart the automatic scanning process (steps 2. to 5.) until a better code is found.

Please note that once the automatic process is restarted, the remote continues from the last saved code and not at the beginning of code database.

After all saved codes have been scanned, the green LED flashes five times and the remote returns to normal operating mode.

Note:

In Step 5: During the whole code scan procedure you can press the "Cursor Left" key up to 5 times in order to select previous codes. This can be helpful if you have pressed the "POWER" key too long. Press the "Cursor Right" key search forwards again. Press the "TV key" to escape the search.

3.4 Querying the stored 3-digit code

This can be used to get the code that has been found during the above scans and is useful where many TVs of the same make need to be programmed.

1. Enter the programming mode by pressing the "<<" and the ">>" together for a minimum of 5 seconds (till the green LED flashes twice).mode
2. Using the number keys enter the 3-digit query code 0 0 2 . The green LED will flash twice to confirm the entered code.
3. To query the currently saved code, press "1" for first digit, "2" for second digit and "3" for third digit. After each digit key has been pressed, count the number of times the LED flashes. You can repeat the reading by pressing "1", "2", or "3" until you are sure that you have the correct code written down.

Note: The digit flash codes occur very quickly after you press the query code, so you will need to look for them as soon as you press the query code button.

Note: If the LED does not flash after you have pressed one of the above selection keys, the respective code digit is 0.

Example:

- Press key 1 for hundreds. The LED flashes three times. The first digit of your 3-digit code is 3.
- Press 2 key for tens. The LED flashes once. The second digit of your 3-digit code is thus 1.
- Press 3 key for units. The LED flashes six times. The last digit of your 3-digit code is thus 6.

In this example, the code is thus 316.

The programmed code will be retained while the batteries are changed.

3.5 Un-Pairing the RCU and Dongle

If you need to un-pair an RCU and dongle, press PAUSE and BACK together for 5 seconds. The Red LED will flash twice.

3.6 Reset the RCU

1. Enter the programming mode.
2. Using the number keys enter the 3-digit code 0 0 0 . The green LED will flash twice to confirm the entered code.

The RCU returns to the default settings (TV not programmed, RF4CE Mode and Address = 0).

4 Code List

TV Brand	Code					
A						
Acer	361					
Adler	302	366	304	240	181	
ad notam	360	472				
AEG	319	146	235	108	104	
AG	393					
Agath	192					
AgfaPhoto	268	213				
Airis	210	181	373	294	169	
Aiwa	385					
Akai	115	358	295	250	330	322
	213	146	108	162	421	309
	211	147	144	138		
Akira	181	319	382	459	384	277
Akura	115	146	170			
Alba	295	184	194	115		
Alpha	345					
Alphatronics	157					
Altek	319					
Altus	146	108	135	104		
Amoi	337					
Andersson	115					
Ansonic	268	115				
AOC	308	447				
Apro	300					
Aquavision	267					
Arcelik	130	108	104	146	134	137
Arctic	146	108				
Arena	115	146	108			
Aristona	104					
Astra	146	108				
Atec	420					
Atron	115					
Audiola	330					
Audiosonic	146	108	104			
Autovox	115					
Avera	294	335	202			
Aver Media	321					
AviSMART	116					
AVtex	224					
AWA	332					
Axxion	268					
AYA	115					
B						
Baird	186					
Bang & Olufsen	458	457	456			
Basic Line	115	104				
Bauer	417					
Beko	146	108	104	130	135	134
	137	147	213	148		
Belson	319	459	163	473	386	366
	356	352	301	294	286	236
	216	211	181	164	115	109
	104					
BenQ	308					

Bexa	362	223				
Blaupunkt	295	137	130			
Blue Sky	108	146	115	379	294	109
	104					
Blusens	195	194	196	197	269	273
	271	342	356	279	156	155
	294	272	270	237	198	
Brandt	135	104	308	146	439	115
Brignton	268	211	166			
Brionvega	131					
Broksonic	421					
Brother	143					
Bush	295	115	108	146	104	194
	308					

C

Campomatic	249					
Caratec	213					
Casio	194					
Celcus	115					
cello	278					
Changhong 长虹	249	294	253	319		
Charisma	446					
Charpy	209					
Citizen	426	133				
Clatronic	146	108	130	166		
CMX/Commax	366	153	319	235	356	299
	298	297	416	213		
Coby	194	205				
Combi	328					
Conia	146					
Continental	146	108				
Continental Edison	115	319	297			
Crosswood	146	135	108			
Crown	146	108	104	416	294	209
	148	134				
Curtis	452	213	454	302	211	319
	221	431	297	295	186	178
Cybercast	362					
Cyberpix	115					

D

Daenyx	319					
Daewoo	395	268	473	153	146	104
	356	300	247	130		
Dalco	383	382				
Dangaard	327	319	275	274	268	211
	199	195				
Dantax	146	104	108			
DCE	108	146				
Denon	452					
Denver	295	309	268	199	195	274
	213	203	198	169	208	132
	431	294	280	250	201	181
	166					
DGM	213					
Diboss	130					
Digitality	368					
Digihome	115	149	104			
Digiloc	249	150				
DigiQuest	115					
Digital	146	104				

Digitech	104					
DIKOM	235					
DLD	214					
DMTech	115	104	125	331	277	268
	142					
DQT	469	285				
Dual	115	104	146	213	149	135
	108					
Durabase	115					
Durabrand	146	104	108			
Dynatron	375					
Dynex	376	426				
Dyon	235	319	295	238		

E

Eas Electric	115					
easy touch	294					
ECG	319	250				
Ecron	146	268				
Edenwood	115					
EDUK	115					
Elbe	115	104	130	146	294	159
	108					
Electric CO	252					
Electric Mirror	354					
electriQ	115					
Electrohome	115					
ELECTRON	319	305				
Elekta	104					
Elektroland	115					
Element Electronics	333	211	336	289	194	
Elemis	115					
Elfunk	104					
Elta	146	108				
Emerson	374	146	295	104	375	248
	108					
E-motion	295	294				
Energy Sistem	319	325	259	200		
Engel	235					
enox	211					
Essentiel b	104	356	386	250	314	211
	115					
Eternity	295					
Euroline	146	327	108			
Europa	146	108				
Everton	295					
EVOTEL	181					

F

FAR	115					
Fenner	146	108	104			
Ferguson	295					
Finlux	115	146	108	104		
First Line	108	146	104	115		
Fluid	419	333	431	356	332	
FOX	213					
Fujitsu	410	452	409			
Fujitsu Siemens	228	388	452			
Funai	374	115	104	146	471	452
	108	375	268			

G

General	130	382				
Gericom	294					
GoGEN	115					
GoldStar	266	147	194	130	389	
Goodmans	146	436	104	295	233	115
	108	105	432	327	294	180
	151	132				
Graetz	115	104	146	109	108	
Grandin	146	115	266	104	249	130
	108					
Gran Prix	311	312	313	250		
Grundig	130	100	137	146	134	101
	386	233	194	104	115	102
	141	124	103			
Grunkel	302	279	268	232	294	115
	104					
H						
Haier 海尔	194	319	115	133	126	452
	308	417	437	431	436	295
Hannspree	244	464	349	308		
Hanseatic	108	395	308	148	146	
Hantarex	261					
HB	146	104	130	319	135	134
Hisawa	146					
Hisense 海信	194	314	130	427	310	104
	313	319	315			
Hitachi	115	262	104	118	140	263
	213	421	308	423	264	
HKC	235					
Höher	115					
Horizont	146	108				
Humax	306					
Hypson	146	115	108	109		
Hyundai	146	115	104	108	302	138
	470	459	415	382	330	319
	303	249	181			
I						
IDHD	115					
Iekei	459					
i-Joy	181	302	298	239		
Ikea	464					
Imperial	191	250	133	249		
Ingelen	108	146				
Inno Hit	115	109				
Inovtech	195					
Insignia	376	459				
InterACTV	121					
Intertronic	104					
Ipure	213	359	250	158		
Irradio	146	104				
ISIS	115					
Iskra	146	108				
ISP	104					
iSymphony	431					
ITT	115	146	126	439	108	137
	130					
J						
Jensen	365					
JMB	295					
John Lewis	194	224				

JTC	330					
JVC	403	115	404	287	126	416
	399	421	319			
JVL	369					
K						
Karcher	104					
Kendo	115	104	439	146		
Kenmark	104	295				
Kenstar	212	230	229			
Kenwood	194					
Kishu	319					
Kogan	319	295				
Konka 康佳	459	380				
Kopernikus	249	104				
Kortek	353					
Kotron	150					
Kriminal Forsorgen	145					
KTC	356					
L						
Laurus	115					
LCD	182					
Lenco	115	473	295	390	356	268
	195	146				
Lenuss	432					
Level	323					
LG	194	202	130	266	147	387
	340	212	146			
Lifetec	146	108				
Linsar	115					
Listo	115	104				
Loewe	106	104	111	147		
Logik	287	212	233	332	300	194
Logix	295					
Lumatron	319	104				
Luxor	115	104	109			
M						
Maginon	173					
Magnasonic	371					
Magnavox	104	374	248			
Magnum	146	108	104			
Majestic	330					
Man City	295					
Manhattan	115					
Mark	146	108				
Mascom	130	104	250	143		
Master	235	322				
Matsui	367	452	233	104		
Maxess	188	362				
Medialine	473					
Media Station	258					
Medion	115	226	295	104	140	168
	227	225	260	277	146	211
	308	268	233	108	388	181
	135					
MEGASAT	295					
Melectronic	108	146				
Memorex	211	133				
Metz	441	475	467	476	468	466
Microspot	252					
Miia	366					

Minerva	260	329	100			
Minsonic	390					
Mirage	146					
Mirai	452	179	351			
Mitchell & Brown	115					
Mitsai	295					
Mitsubishi	400					
Mivar	324					
mpman	330	319	295			
MT Logic	213	316	295	172	294	134
	130	115				
Murphy	115					
Mustek	210					
Mx Onda	145	411	211	169	130	

N

Nabo	115					
National	382					
NEC	398	396	246	397		
Neckermann	146					
NEO	146	394	390	386	384	382
	381	115	108	104		
NEOM Digital	104					
NEON	278					
Nevir	115	235	302	249	322	312
	220					
Nikkai	146	108	104			
Nikkei	319	146	230	115	112	108
Nordmende	229	213	146	115	341	255
	236	212	108	104		
Notts Forest	295					
Novox	217	183				
NPG	249					

O

Oceanic	115					
ODYS	213	474	473	160	161	377
	338	325	235	215	200	
ok.	115	287	295	213	249	464
Okano	362	189	363	181	177	
OKI	115	130	104	249	181	295
	277	134				
Ölevia	339	194	211			
ONN	300					
Opera	319	109				
Orava	115					
Orian	383					
Orion	421	333	423	146	104	424
	233	401	115	452	438	413
	109					
Otake	424					
Oxygen	297					

P

Pacific	146					
Palladium	104	146	108			
Panasonic	405	407	408	406	126	115
	478					
Panavision	146	108				
Peacock	420					
PEAQ	115	464				
Philips	448	447	104	115	114	119

	117	122	105	451	450	449
	281	308	428	130	395	
Phocus	146	104	135	108		
Phonola	146					
Phonotrend	355					
Pioneer	446	465				
PKS	104					
Platinum	326					
Playsonic	146	108	134	104		
Polaris	133					
Polaroid	211	115	330	186	130	433
	319	308				
Powerpoint	146	319				
Princess	146	104				
Princeton	115					
ProCaster	115					
Profectis	115					
Profilo	129	249	143			
ProLine	115	104	295	146	109	300
	284	151	145	108		
ProScan	452	235	431	221	302	366
	289	333	213	454	211	139
	194	249	288	243	186	181
	240	185				
Prosonic	295	108	130	268	115	104
	274	195	146	203	198	319
	199					
Protek	294					
Protron	194					
Provision	146					
PYE	104					
Q						
Q.Bell	330	181				
QILIVE	115					
Quadro	347	104	414			
Quelle	104					
Quigg Electronics	232					
R						
Radiola	104	447				
RadioMarelli	104					
RCA	462	452	289	431	235	302
	366	221	333	454	213	464
	290	243	211	305	249	288
	297	240	356	194	185	139
Reflexion	268	295	213			
Regal	146					
RFT	104					
Roadstar	146	108	104			
S						
SABA	115	146	104	439	308	135
Sagem	293	292	370			
Saivod	268	195				
Salora	115	250	213	302	130	268
	142	158	104	195	386	278
	249	173	149	295	294	175
Samsung	431	435	434	443	444	445
	430	442				
Sandstrøm	287	314	250			
Sansui	421	153				
Sanyo	248	115	245	146	428	104

	418					
Scansonic	460	459				
Sceptre	452					
Schadler	115					
Schaub Lorenz	115	108	146	319	130	104
	249	190	134	330	297	250
	213	135				
Schneider	302	146	115	109	130	298
	104	356	235	108	447	
Scientific Labs	104					
Scott	115	356	234	195		
SEG	104	115	278	109	130	249
	268	324	294	213	154	146
	120	108				
Seiki	333	452	332	249		
Sèleco	121					
Sencor	416	213	250	459	319	249
	356	130				
Senzu	362	459	301	363	189	
Sharp	402	295	115	194	427	308
	421					
Shivaki	104					
Siemens	452	123				
SIGCUS	376					
Silva Schneider	115	250	130	129	312	181
	295	143	269	213	104	386
	268	118	313	311	294	249
	153	149	140	190		
SilverCrest	115	104	225	109		
Sinudyne	146	104	135			
SKY	233	417	152			
Sky Media	295	294	212	165	283	268
	233	420	417	349	348	296
	252	251	228	213	181	152
Skyworth 创维	416	130	104			
Smart Tech	302					
SMARTVISION	249	133				
Sogo	330	146	235	108		
Sole	391					
Soniq	362	189	363	236	364	301
	242	231	228	223	209	188
	183	177	132			
Sony	452	453	455			
SOS Remotes	128	127				
Soundcolor	108	146	135	104		
Spectroniq	194					
Splash Vision	307					
Standard	247					
Star	104	382	347	130		
Star General	383					
Strato	104	319				
Strong	416	464	287			
SulpiceTV	115					
SunBriteTV	453					
Sungoo	260					
Sunkai	146	108	213			
Sunny	294					
Sunstech	268	302	269	195	115	319
	181	145				
Supratech	214	219	213	367	343	218
	167	319	154			
SWEDX	193					

Sweex	213	181	162			
Swisstec	294	252	420	268	233	417
	296	295	283	349	251	228
	212	181	152	355	348	282
	146					
Sylvania	374	366	452	333	289	235
	375	302				
Symphonic	375	374				
Syntax-Brilliant	194	211				
T						
Tandberg	211					
Targa	225					
Tatung	433	392				
Taurus	250					
TCL 集团	464	428	427	429	439	463
	319	115				
TCM	104					
TD Systems	346	115	235	149	140	
Teac	276	115	473	165	319	194
	109					
Techline	115	104	130			
Technical	115	104	109			
Technicolor	333	452	289	366	235	302
Technics	405					
Technika	295	165	115	194	268	319
	211	473	250			
Technisat	104	356	105			
Technisson	146	108				
Technotrend	355	277				
Techwood	115	104	109			
TECO	213					
Telefunken	115	146	129	308	135	439
	107	104				
Telesystem	253	249	211	130	115	
Teletech	115	104				
Telio	297					
Tensai	146	135				
Terra	213	194	222	104		
Terris	319	115				
Tesco	295					
Tesla	146	135	108			
Tevion	295	104	146	319	108	379
	228	140				
Thomson	464	439	463	440	395	308
	109	295	236	229	212	146
	135	130				
Tilevision	171					
Tokai	330	104				
Toshiba	249	115	254	119	117	114
	422	100	405	262	146	
Trevi	213	268	249	181		
Trilux	250					
TruTech	150					
Tucson	115					
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