

Universal_versions_of_CIRT_Codes

Best to use **WORDPAD** to open this document. Avoid using MS-WORD due to it adding hidden formatting commands.

Commands can be cut and pasted using standard windows commands.

Usage guide for using CB-2000 with third party devices (like proj.) and CA-1000e

- 1) Set the CB-2000 up for Universal Codes – (needed to control third party devices or utilise the Serial function)
- 2) Copy (ctrl-c =copy) the desired commands below, into the PC's copy buffer
- 3) Ensure the Edit Window (upper) is cleared of commands
- 4) Select the button you want to receive the command Paste (ctrl-v) the desired command into the Edit Window.
- 5) Press Save IR button
- 6) Repeat steps 2-5 for other buttons as required
- 7) Set the CA to receive BOTH codes (CIRT 1 & 2)

NOTE: CB-2000 only sends Universal Equivalent codes. CIRT codes only listed for legacy operation.

- **CB-2000 CIRT codes**

CIRT 1 Codes

Button 1	01E1
Button 2	01E2
Button 3	01E3
Button 4	01E4
Button 5	01E5
Button 6	01E6
Button 7	01E7
Button 8	01E8

CIRT 2 Codes (alt. set)

Button 1	02D1
Button 2	02D2
Button 3	02D3
Button 4	02D4
Button 5	02D5
Button 6	02D6
Button 7	02D7
Button 8	02D8

- **CA-500/1000e/1050 - CIRT codes and Universal equivalents**

Channel 1 – 0880 (CIRT code)

4000030001348D11E203C004CE03A304FB03A704D4039F04FC03A704DB03C804CD03A704E103EF08FC03A704D03C604CD03A704E4031A094DB3

Channel 2 – 0881 (CIRT code)

4000030001348D11E303EE08ED03A704DE03C504CD03A704FC03A704D103A304FB03A704D703F908FB03A704D203A104FC03A604D903F70873B3

Channel 3 – 0882 (CIRT code)

400003000134B611CD03A704FB030309CD03A704E203C104CD03A604FB03A704D403A004FB030309CF03A404FC03A704D6039E04FB03030959B3

Channel 4 - 0883

4000030001348D11E203EE08FB030309D203A204FB03A704D903CA04CD03A604E003C404CD030309DB03C704CD03A704E203C104CD03020974B3

Channel Forward - 08B0

4000030001348D11E203C004CE03A604FB03A704D403A004FC030309CF030009DF03C304CD030309DB03C704CD03A704E203C204CE03020973B3

Channel Reverse - 08B1

4000030001348D11E203EE08FB03A704DD03C504FB037904DB031B09CD030309D503A004FB030309D003A404FC03A704D7039D04FB0303095AB3

Volume Up 1 step - 0892

400003000134B811CD03A704FB030309DB039904E003C204CD030309DC03C704CD03A704E203EE08FB03A704DF03C504CD03A704FC0303094EB3

Volume Down 1 step - 0893

400003000134B711CD030309DA03F508FC03A704D6039E04FB030309D103A304FB03A704D803F808FC03A704D403A104FB03A704D903F70874B3

Volume Up 2 step - 08B4

400003000134B711CD03A704FB03A704D103FF08E003C204CD030309DD03F408FB03A704D803F808FC03A804D403A004FB03A704DA03F60873B3

Volume Down 2 step - 08B3

400003000134B711CD030409DB03F508FB03A704D6039E04FB030309D203FE08E203C104CE030309DD03C504CD03A704E403C004CF03000974B3

Mute Toggle - 08B2

400003000134B711CD03A704FC030409CD03A704E103C104CD030309DE03F308FC03A704D903F808FB03A704D403A104FC03A704DB03F60873B3

Mute On - 08B8

400003000134B811CD03A704FC03A704D103A304FA030309CD030309DB03F408FC03A704D803F908FB03A704D303A104F803A704DA03F60874B3

Mute Off - 08B9

4000030001348D11E203EE08FB03A704DE03C504CD030309DA03F608FB030309CD03A704FB030309CD03A704E003C204CD03A704FB0303094FB3

- **Smart Block - CIRT codes and Universal equivalents**

The SmartBlocks use CIRT command triggers from the CB-2000 to control relay functions. The commands are Universal equivalents of the following CIRTS:

0880 -- Toggles Relay 1

38000300003444115104510451045104510451045104510451045104510451045104a208510451045104510451045104a208d8b3

0881 -- Toggles Relay 2

38000300003444115104a208510451045104510451045104510451045104510451045104a208510451045104510451045104a208d8b3

0882 -- Toggles Relay 3

3800030000344411510451045104a20851045104510451045104510451045104510451045104a208510451045104510451045104a208d8b3

0883 -- Toggles Relay 4

38000300003444115104a2085104a20851045104510451045104510451045104510451045104a208510451045104510451045104a208d8b3

0884 -- Relay 1 ON

380003000034441151045104510451045104a20851045104510451045104510451045104510451045104a208510451045104510451045104a208d8b3

0885 -- Relay 2 ON

38000300003444115104a208510451045104a2085104510451045104510451045104510451045104a208510451045104510451045104a208d8b3

0886 -- Relay 3 ON

3800030000344411510451045104a2085104a208510451045104510451045104510451045104a208510451045104510451045104a208d8b3

0887 -- Relay 4 ON

38000300003444115104a2085104a2085104a2085104510451045104510451045104510451045104a208510451045104510451045104a208d8b3

0584 -- Relay 1 OFF

380003000034441151045104510451045104a20851045104510451045104510451045104510451045104a2085104a20851045104a20851045104d8b3

0585-- Relay 2 OFF

38000300003444115104a208510451045104a208510451045104510451045104510451045104a2085104a20851045104a20851045104d8b3

0586-- Relay 3 OFF

3800030000344411510451045104a2085104a208510451045104510451045104510451045104a2085104a20851045104a20851045104d8b3

0587-- Relay 4 OFF

38000300003444115104a2085104a2085104a2085104510451045104510451045104510451045104a2085104a20851045104a20851045104d8b3

0888 -- Turns all Relays ON

38000300003444115104510451045104510451045104a208510451045104510451045104a208510451045104510451045104a208d8b3

08A0 -- Turns all Relays OFF

3800030000344411510451045104510451045104510451045104510451045104a208510451045104a208510451045104510451045104a208d8b3

By default the SmartBlock does not "process" IR codes sent to it, commands are simply passed-thru.

To enable the IR functionality the unit must be put into "Program Mode" just like an ION-LT2.

Step 1) Short the (COM2)TX and RX pins while applying power (just like an ION-LT2), you'll see the LED inside the unit begin to flash.

Step 2) Connect to the unit serially and use Encore or SerialTerm to send the following commands:

:BRE1 -- This will enable IR Decode Triggers

Step 3) then send the following:

:PGM0 -- This will disable Program Mode

Command format = :CMDxy<cr> Com Port settings – 19200, No Parity, 1 Stop Bit

: is Start Byte

CMD is Command

xy is parameter(s)

<cr> is Carriage Return

- **Additional CIRT codes and Universal equivalents**

0580

4000030001342D112604540427045404260454042704540427045404270455042704540426049D0827049C082704550426049C08270482043FBC

0581

4000030001342E1126049D0827045404260454042704550426045404270455042604540427049D0826049D0827048204F803CA0827045504FFB7

0582

4000030001342D112704550427049C08270454042604540427045404270454042704550427049C0827049C0826048204F903CA0827045404FFB7

0583

4000030001342E1127049C0827049C08270454042704540426045404270454042604540427049C082204CA082704540426049C0827045404C6B3

0584

4000030001342E11270454042604550427049C082704550427045404270455042704540426049D0827049C0827048204F903CA082704550400B8

0585

4000030001342E1126049D082704530427049D082704540426045504270454042604540427049D082604CA0827044D0426049D0827045404BBB3

0586

4000030001342D112704540426049C0827049C082704550427045404270454042704540426049D082704CA082604540427049C0827045404C1B3

0587

4000030001342D1127049C0826049D0826049B0828048304F9038204F9038304F9038204F903CB0827049C082704550426049C0827044E0487AF

0588

4000030001342E1126045404270455042704540426049D0827045404270455042604540426049D0826049C0827048204F903CA082704550406B8

0690

4000030001342D112704550427045404260454042704540426049C08270454042604530428049C082604540427049C082604CA0827045504FAB7

0691

4000030001342D1127049C0827045404270454042604540427049C08260454042704540426049C0827048104F903CA0827049D0827045404C6B3

068F

4000030001342E1127049C0827049D0826049D0855049D08260454041C0455042704540426049D082704540426049D0826049C082704530440AB

068C

4000030001342D11270454042604540427049C0826049D0827045404260454042704550426049C085404540427049C0826049D0827045404BBB3