



CL2 iButton Setup and Key Management

The CL2i Cabinet/Drawer Lock includes built-in iButton® access control and key management. It needs no external power or control system.



1 - iButton® System Overview

The iButton system is such that every lock and every key have a unique serial number. The purpose of "Key Enrolment" is to assign/enrol keys to locks. **The order in which keys are presented is very important. Please read these instructions carefully BEFORE commencing enrolment of keys.**

1a - Background info - Why 4 keys?

When first unpacked, the Lock and Keys are not assigned to each other. After this process has been done -

- The Add and Delete keys are used by the administrator to enroll or delete a User's access rights to the lock. A pair of Add & Delete keys may be assigned to many locks, so reducing the number of keys held by the administrator.
- The User key opens the lock; a User key may be assigned to an unlimited number of locks.
- The Shadow key is retained by the administrator so that, if required, a user's access rights may be removed without the User or User key being present. The Shadow key cannot open the lock.

User & Shadow key pairs (these are always programmed as pairs) can be assigned to an unlimited number of locks (see Multiple Use of Keys).

An individual lock will accept up to 160 User/Shadow key pairs. User and Shadow keys can be re-used if required.

2 - CL2i Setup and Operation

2a - Key Enrolment

In following the enrolment process, the first key (of any colour) to be pressed to the iButton reader becomes the Add key. The second becomes the Delete key. For simplicity, we strongly suggest you follow the colour sequence shown below.

Present the keys to the reader in the following order:

Step 1 – Create Add and Delete keys

	Press to reader	LED flashes	Result	Next operation
1	Blue key	ONCE	Blue becomes Add key	WAIT 10 secs
2	Red key	TWICE - If no flash, press again immediately	Red becomes Delete key	WAIT 10 secs

The Add and Delete keys are now enrolled to this lock. (These same Add + Delete keys may also be enrolled to other locks, so reducing the number of keys held by the administrator).

Step 2 – Create User and Shadow keys

	Press to reader	LED flashes	Result	Next operation
3	Blue Add key	ONCE		WITHIN 10 secs
4	Yellow key	-	Yellow becomes User key	WITHIN 10 secs
5	Black key	-	Black becomes Shadow key	WITHIN 10 secs

To add more User + Shadow pairs (these are always enrolled as a pair), repeat only steps 4+5 so long as the system has not timed out. If it has, repeat steps 3, 4, 5.

If no more pairs are to be added, the enrol procedure will timeout after 10 seconds, normal usage can resume and the LED flashes twice.

When an error occurs (eg an unexpected iButton is presented, or timeout before shadow key is presented) the LED flashes 3 times. If this happens, wait 10 seconds and return to step 3.



