

# Cherry G80-2551 \*\* updated 2020-04-26 Version 3



For 10 function keys on left cluster, hid\_listen and xev:

	<b>Mute</b> r19 rF0 r19  MappingNotify event, serial 42, synthetic NO, window 0x0, request MappingKeyboard, first_keycode 8, count 248	(no key) r5F rF0 r5F  no xev output
	<b>Vol+</b> r39 rF0 r39  MappingNotify event, serial 44, synthetic NO, window 0x0, request MappingKeyboard, first_keycode 8, count 248	(no key) rE1 r14 r77 rE1 rF0 r14 rF0 r77  no xev output
	<b>Vol -</b> r53 rF0 r53  MappingNotify event, serial 46, synthetic NO, window 0x0,	Mouse? r50 rF0 r50  no xev output

	request MappingKeyboard, first_keycode 8, count 248	
	<b>Print Screen</b> rE0 r12 rE0 r7C rE0 rF0 r7C rE0 rF0 r12  no xev output	<b>Properties</b> r6F rF0 r6F  no xev output
	<b>Menu</b> r5C rF0 r5C  no xev output	<b>Mouse x?</b> r48 rF0 r48  no xev output

Nav cluster – all keys show xev output (not shown here)



r17 /rF0 r17	rE0 r12 rE0 ^[[5~r7D rE0 rF0 r7D rE0 rF0 r12	rE0 r12 rE0 ^[[6~r7A rE0 rF0 r7A rE0 rF0 r12
rE0 r12 rE0 r69 ^[[FrE0 rF0 r69 rE0 rF0 r12	rE0 r12 rE0 ^[[2~r70 rE0 rF0 r70 rE0 rF0 r12	rE0 r12 rE0 r71 ^[[3~rE0 rF0 r71 rE0 rF0 r12
r80 r26 r80 rF0 r26	rE0 r12 rE0 r7^[[A5 rE0 rF0 r75 rE0 rF0 r12	r80 r25 #r80 rF0 r25
rE0 r12 rE0 r^[[D6B rE0 rF0 r6B rE0 rF0 r12	rE0 r12 rE0 r6C ^[[HrE0 rF0 r6C rE0 rF0 r12	rE0 r12 rE0 ^[[Cr74 rE0 rF0 r74 rE0 rF0 r12
r80 r16 r80 rF0 r16	rE0 r12 rE0 r72 ^[[BrE0 rF0 r72 rE0 rF0 r12	r80 r1E r80 rF0 r1E

Working with the current layout shows that **changing the arrow keys to inverted T would be a very good option** (arrow right, up and left one key down)

F-block – all keys show xev output (not captured here)



left

	r1F rF0 r1F	r27 rF0 r27	r2F rF0 r2F	r5E rF0 r5E
	r^[OP05 rF0 r05	r06 ^[OQrF0 r06	r^[OR04 rF0 r04	r0C ^[OSrF0 r0C


middle

	r08 rF0 r08	r10 rF0 r10	r18 rF0 r18	r20 rF0 r20
	r03 ^[[15~rF0 r03	r0B ^[[17~rF0 r0B	r83 ^[[18~rF0 r83	r0A ^[[19~rF0 r0A

right

	r28 rF0 r28	r30 rF0 r30	r38 rF0 r38	r40 rF0 r40
	r01 ^[[20~rF0 r01	r09 rF0 r09	r78 rF0 r78	r07 ^[[24~rF0 r07

## Num pad

	r^[76 rF0 r76	r7E rF0 r7E	r7C *rF0 r7C	rE0 r4A /rE0 rF0 r4A
	r6C 7rF0 r6C	r75 8rF0 r75	r7D 9rF0 r7D	r+79 rF0 r79
	r46B rF0 r6B	r73 5rF0 r73	r74 6rF0 r74	r7B -rF0 r7B
	r169 rF0 r69	r272 rF0 r72	r7A 3rF0 r7A	rE0 r12 rE0 r5A
	r070 rF0 r70	r71 ,rF0 r71	rE0 rF0 r12 rE0 rF0 r5A	

**Remark:** ESC works as expected, NUM/Scrol lock does not; xev reports:

```
KeyRelease event, serial 38, synthetic NO, window 0x6000001,
  root 0x1da, subw 0x0, time 2706758, (-25,174), root:(836,629),
  state 0x10, keycode 78 (keysym 0xff14, Scroll_Lock), same_screen YES,
  XLookupString gives 0 bytes:
  XFilterEvent returns: False
```