

eight to sixteen channel Cantar remote control

Cantarem is a slim portable control panel offering eight linear actuators that can be assigned to any of Cantar's nine input pre-amps and six mixdown faders. Two Cantarem can be ganged to form a sixteen channel distant controller.

Solos are activated by built-in keys which also allow the actuators to be assigned on the fly. Cantarem's very low profile prevents wrist discomfort, it can be placed in front of Cantar without hindering access to the front panel push-buttons or hiding the displays.

During transport, the swiveling electronic interface housing protects the actuators.

Closed: 240 x 155 x 45 mm

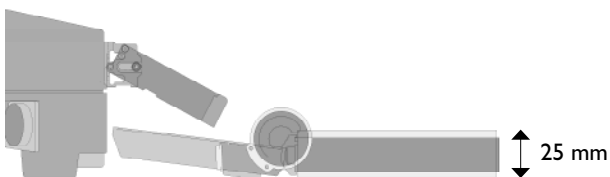
Open: 240 x 215 x 25 mm

Weight: 790 gr

Actuators: 104mm stroke

Drain on Cantar: less than 25mA

Cantarem



Connections

If the Cantar mother-board is Rev-2.6 or higher (ID shows under the white sheet in the HDD housing), the CantaRem to Cantar ASCII connection is insured through the Cantar's SubD15 pin-2. Use a 'SubD15 to Lemo8' cable (ref. 594 4090).

If the mother board is earlier than Rev-2.6, the SubD15 pin-2 is not internally connected to the ASCII port. Use a 'SubD15 to Lemo8+Lemo5' Y cable (ref. 594 4191), and connect the Lemo5 to the Cantar timecode-in socket.

- To gang two CantaRems use the Fisher4-Lemo8 cable ref. 594 4092. The Fisher4 plug goes to the first CantaRem, the Lemo8 plug goes to the second one.
- The CantaRem USB socket (+5V, 80mA max) can't power a PDA; it is made to feed a PS2 keyboard only. But you can use the +12V delivered by the Fisher4 socket, terminate the PDA car-lighter +12V to +5V voltage converter cable with a Fisher4 plug (pin-1: Gnd, pin-4: +12V).

Sliders' assignment

• Set AUDIO.22, 'CantaRem com' to 'Auto'. Press one of the two CantaRem [Ctrl] keys, 'Assign' shows on the top row of the Cantar rectangular screen. Press a 1 to 8 key, the slider rank shows on the middle row. [jog] to browse the Cantar faders which successively show on the bottom row: **unassigned - mic n - line n - lines1+2 - lines3+4 - track n - line-out - foldback**. The assigned fader is the one displayed when releasing the key.

• The assignment of a CantaRem slider already linked to another Cantar fader cancels the former link. All Cantar faders are unlinked as soon as CantaRem is disabled (Set AUDIO.22, 'CantaRem com' to 'Not active') or the cable is unplugged. Stored assignments are displayed on AUDIO.23 to 30.

• To control several mic input faders from the same actuator, couple them in the usual Cantar way and assign the actuator to the master only. The slaved rotary faders are used for the 'balance'.

• Press a slider key to activate the solo monitoring of the Mic, Line or Track fader under its control.

• The 0.6 sec. latency of Cantar's Line-in faders is more apparent when they are driven by linear actuators which, unlike the small Cantar on-board buttons, can be swept from 0 to -60dB in a wink.

• Put Cantar on {STOP} to initialize its clock by ASCII from an OriginC.

• Cantar remote control: [MainSelector] on {PPR}, simultaneously press the two [ctrl] keys, then press 2->{TEST}, 3->{PPR}, 4->{REC}.

Design considerations

• Since Cantar is the only audio recorder featuring a wireless PDA link, there is no need for a 'replica' display nor a built-in keyboard on CantaRem.

• CantaRem's Penny+Gilles actuators are feather-smooth, but not as impervious to the elements as the Cantar's magnetically driven ones. That is why CantaRem is built with structural transparency, allowing sand and water to flow through freely.

• The precise gain value of each fader is displayed on Cantar's rectangular screen, the actuators' 0 to 9 scale is only a quick positioning aid.



- A Lemo5 ASCII – LTC In/Out
- B USB PS2 keyboard
- C Fisher4 PDA power – CantaRem '1' to '2'
- D Lemo8 Connection to Cantar – CantaRem '2' to '1'