

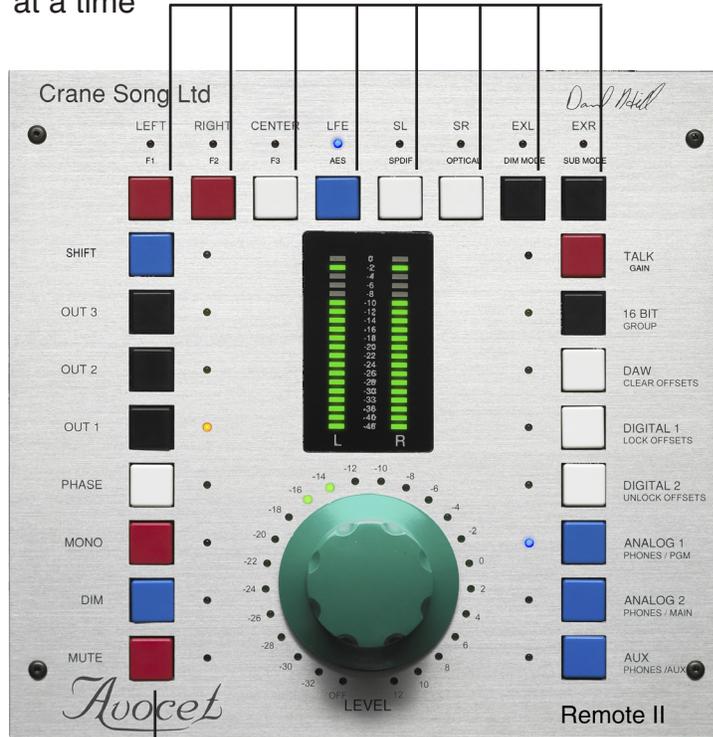
# Avocet Remote II, D/A

information about the changes



Jan 18, 2013  
rev1

Speaker select buttons now allow multiple selection at a time



Mute will now over ride all function including Talk Back

# SELECTING the SHIFT MODE SETUP FUNCTIONS

SHIFT MODE  
to reach the setup  
functions (they have the  
smaller text on the panel)



When holding down a button for gain trim; or speaker setup, the led now provides feedback that the button was held for the required time. The led will wink out for 1/2 second and then come back on. In the previous version there was no feedback to the user on mode change. This applies to the 6 input select buttons, the mono button, and the speaker buttons for selecting the mono output channel.

# SHIFT MODE SETUP FUNCTIONS

Talk Back MIC GAIN is now changed by selecting the TALK button when in the SHIFT MODE. Turning the gain knob changes the mic gain. The gain steps are 3 db steps to 72 db of gain



GAIN

# SHIFT MODE SETUP FUNCTIONS

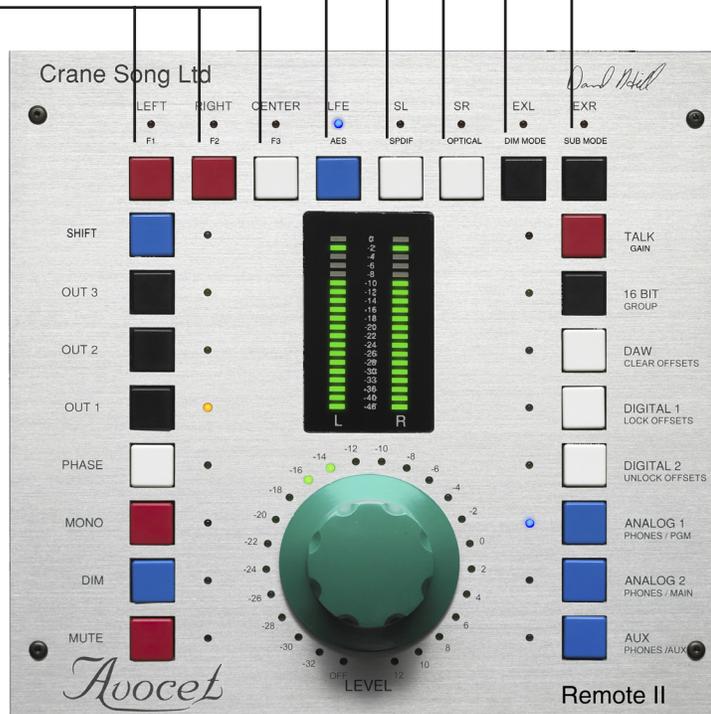
Changes DIM  
from relative LEVEL  
to absolute LEVEL

In the Shift Mode Select the  
source for the DAW input  
AES, SPDIF, OPTICAL is selected

The OPTICAL input is new  
The button select replaces the  
switch on the back of the unit

Changes output 3  
to work in parallel  
with outputs 1 and 2  
for use as a sub woofer  
output

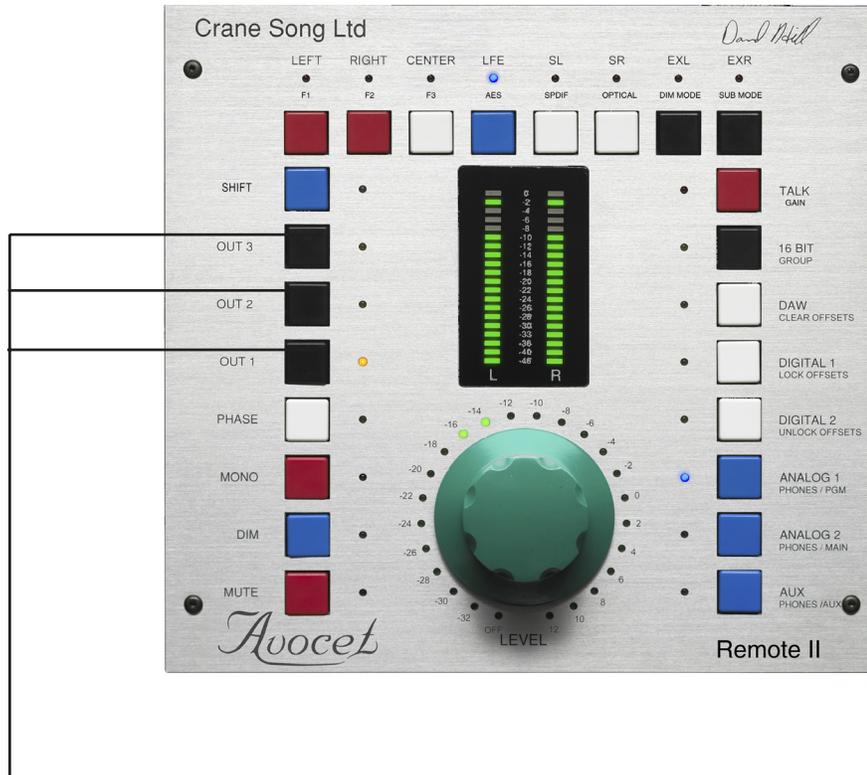
Functions F1, F2, F3  
for future features



Note: The addition of selectable digital inputs in the shift mode requires the selection enabled D/A converter, which ships will all current production units

There is an upgrade path for older Avocet systems, some of the functions may depend on what version the PCB is in the older units

# Changing the speaker setup from Stereo to Surround Default mode



By pressing any one of the speaker select buttons and holding it for about 0.5 seconds will put Avocet into the speaker set up mode. If SHIFT is enabled speaker setup is disallowed.

Selecting the center channel button will cause the center channel be the mono speaker when selecting mono. This is the surround mode of operation

Selecting the left, right, or both, (left and right) will disable the surround channels. This selects which speaker is the mono speaker, when the mono function is selected. This is the stereo mode of operation

To exit the setup mode touch the output select button a second time During Speaker setup the Sub Woofer mode is disabled.

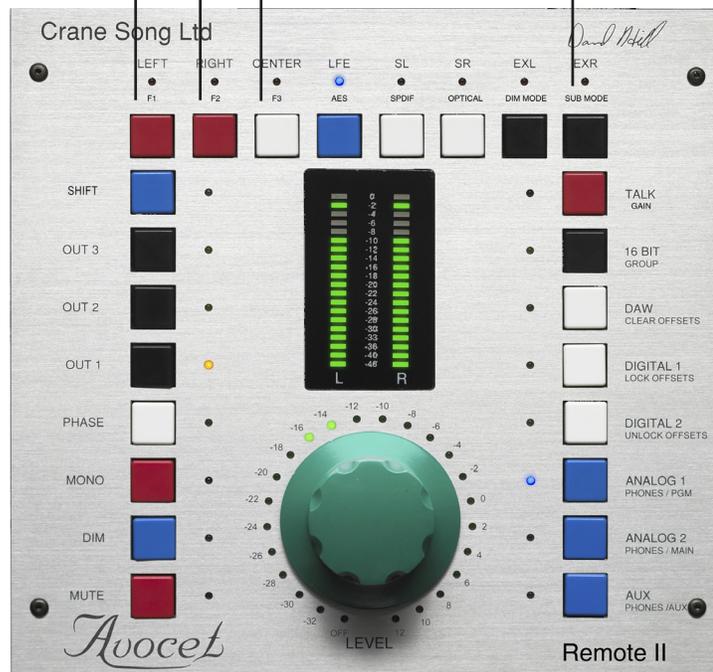
Once set up, switching between the speaker systems is user transparent.

# Speaker Setup

## Transparent Surround Mode

In OUT 1 SETUP SELECT turning this button on will cause the unit to be in surround mode at all times (Transparent Surround Mode) the mono speaker select function determines the active speakers when mono is selected

MONO SPEAKER SELECT  
Selects which speaker is the mono output when mono is selected



By selecting OUT1 speaker setup it is possible to put Avocet into the Transparent Surround Mode. Turning on the EXR button will set the Transparent Surround Mode. In this mode the unit is all ways in surround mode

Then selecting the Center; Left; Right; or both, Left and Right sets the mono speaker. The mono speaker is set individually for each speaker selection.

The Center channel is the mono output for surround operation  
Left, Right are the mono outputs for stereo operation

This allows for more transparent operation when working with different formats

# Ultra Low Jitter D/A with AES, SPDIF and OPTICAL inputs

The new D/A circuit are ultra low jitter in design. This is achieved by using a new clock source and new logic circuits around the SRC and the D/A converter. The clock is of the type of circuits used for microwave and space commutation where ultra short term stability is required

The converter board changes the digital input formats on the DAW input  
The input can now be AES single wire to 192K, SPDIF or optical Toslink.  
The input source is changed from the remote control

The new design is more open and transparent, bigger sounding

An upgrade path for existing units will be available 2nd quarter 2013