



# USER GUIDE SUPPLEMENT

Please read in conjunction with the Vi6 User Guide

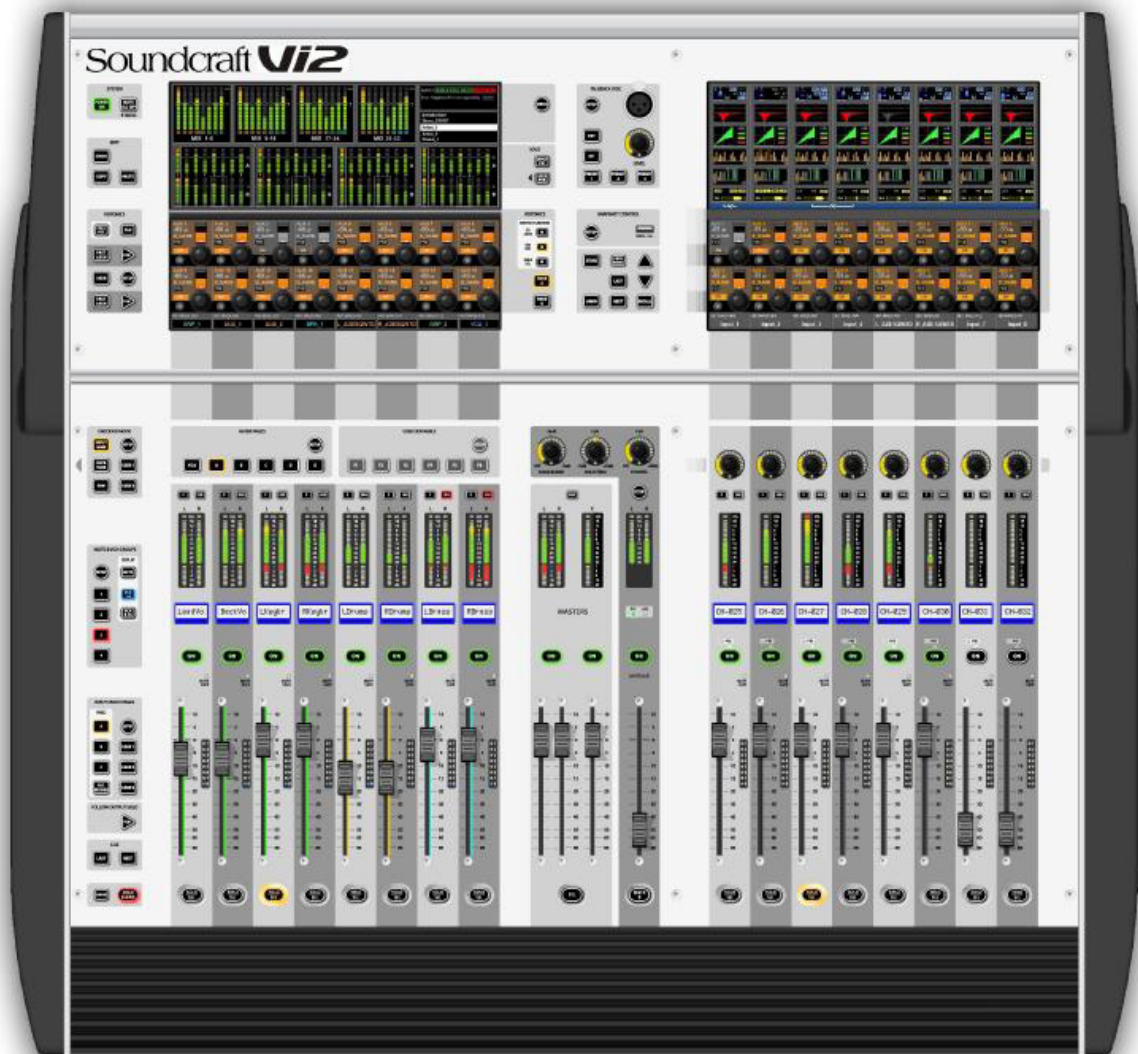
## Contents

Introduction to the Soundcraft Vi2.....	2
Key Features.....	4
Applications.....	4
Connecting the Vi2.....	5
Operational Principles.....	6
Accessing Bus Masters on the right hand fader bay.....	7
Vi2 Power Supplies.....	8
Compatibility of spares with Vi4/Vi6.....	8
Hints on using a UPS.....	8
Soundcraft Vi2 Dimensions.....	8

## Introduction to the Vi2

The Soundcraft Vi2 is a new Control Surface in the Vi range, designed as an alternative to the existing Vi4 and Vi6 Surfaces. The Vi2 Surface is designed to connect to the same Local and Stagebox units as the Vi4 and Vi6, but is ideal for use when the space available is restricted or when large numbers of input faders are not required. Despite its small size (well under a metre in width) the Vi2 allows full access to the same number of input channels and busses as a Vi6 surface, which could be up to 96 inputs and 35 busses.

The Vi2 is essentially the two far right-hand bays of a Vi6 surface, and therefore comprises 8 input faders to the right, and 8 bus master or VCA faders to the left, with the main Master LRC and Monitor output faders in the middle. Input channels are accessed via the 8 input faders, using either the input meter screen touch facility, or the fixed and user-definable fader page controls at the bottom left of the front panel. Apart from the smaller number of input faders, operation of the Vi2 is identical to that of the Vi4 or 6. You can also create Show files on a Vi2 and load them into a Vi4 or 6, or vice versa.



## Key Features

- 8x Input Faders
- 8x VCA/Bus Master Faders
- LRC Master and Monitor Faders
- 1x Input/Output Vistonics screen
- 1x Master Vistonics screen
- Snapshot control, Fader paging, Mute and VCA control buttons all as per Vi6
- 2x mains power supplies built-in
- Ethernet and Audio connections to Local Rack as per Vi6
- Connects to standard Vi4 or Vi6 Local Rack and Stagebox
- Mix up to 96 inputs to 35 busses

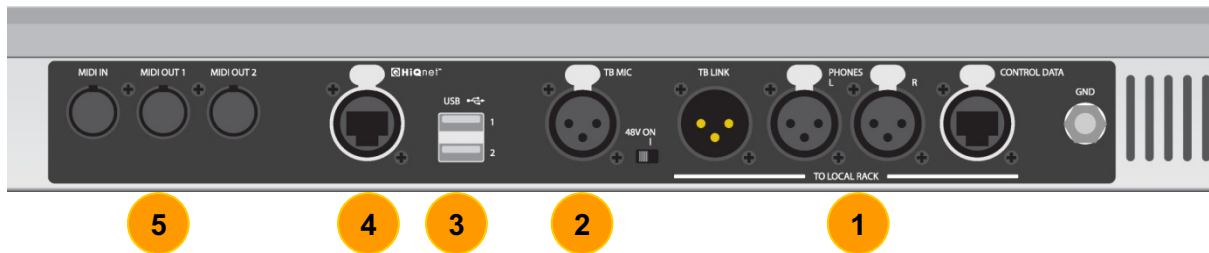
## Applications

- Alternative control surface for a Vi system where space is at a premium (eg corporate shows, theatres and festivals)
- When not in use for rental can be used as a pre-programming console
- Backup console, use if main console fails
- Training or demonstration console – small size allows it to be carried in a car
- Simultaneous operation with another Vi console connected to the same Local Rack will be possible with a future software release, but this feature is not currently available.

## Connecting the Vi2 Surface

The Vi2 Control Surface must be connected to a standard Vi4/6 Local Rack and Stagebox system in order to mix audio. These may have been purchased with the Vi2 surface or the surface may have been purchased on its own to be used with existing Racks.

In either case, Vi4/6 Racks have no knowledge of which kind of surface is attached, so there is no special setup required when an existing Vi4/6 rack is used with a Vi2 Surface – simply connect up as shown below.



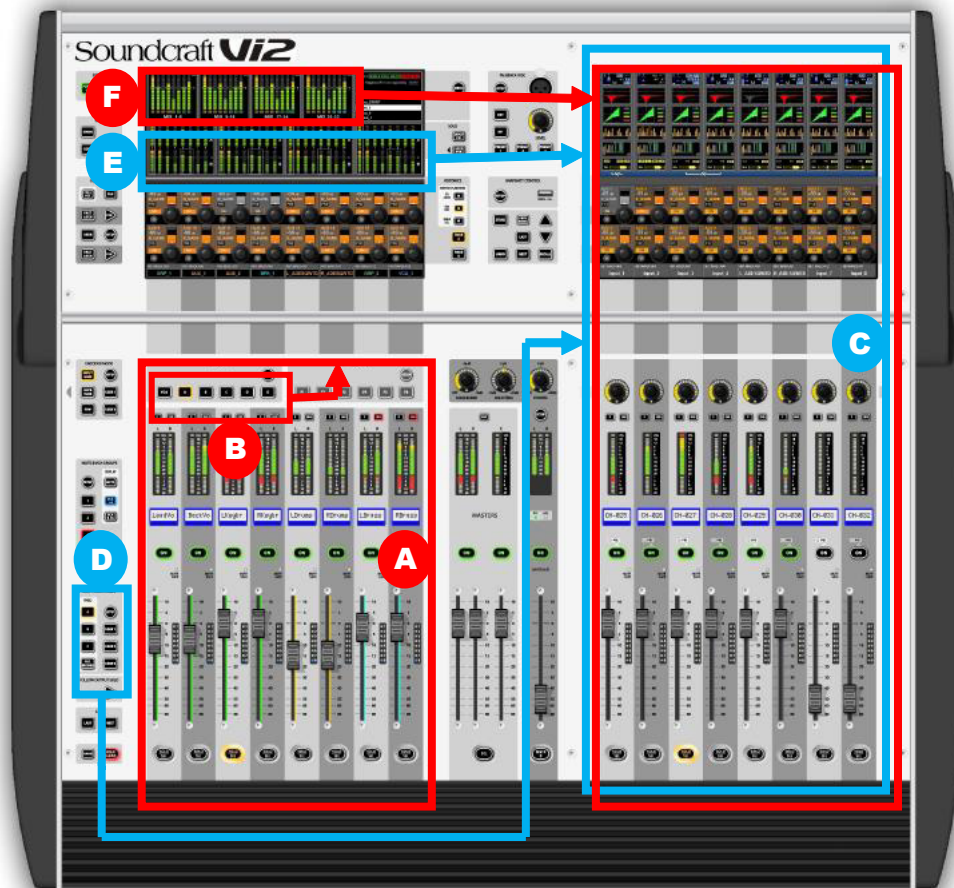
- 1 Connect the three audio XLR cables and the Cat 5 Ethercon cable in the Surface to Local Rack Snake cable to the sockets marked TO LOCAL RACK on the rear of the Vi2 surface. These cables carry talkback and headphones audio and audio control and metering data to/from the Local Rack.
- 2 If an external Talkback Mic is required, it can be connected to the TB MIC socket. 48V phantom power is available for this input, controlled by the 48V ON slide switch.  
  
This input is a parallel of the talkback input socket on the front panel of the surface. There is adjustable pre-amp gain via 3 jumper settings on the internal PCB behind the socket (accessible by opening the rear panel).
- 3 An external USB keyboard for use with channel labelling, or an additional external USB storage device for backing up of Show data can be connected to the twin USB sockets.
- 4 The HiQnet™ port can be connected to an external HiQnet Ethernet network. Venue preset change messages can be transmitted from the console's Cue List via this port, and error messages from other HiQnet-compatible devices on the network (such as Crown power amplifiers) can be displayed on the console's error log screen.
- 5 External MIDI-controlled equipment such as FX units or Hard Disk recorders can be connected to the MIDI sockets, and control data sent/received via the console's Cue List.

See the Vi4/6 User Guide for full details of the features mentioned above.

## Operational Principles

The operation of the Vi2 will be obvious to users familiar with the Vi4 or 6 consoles, the Vi2 is in fact identical to the right-hand two bays of the standard Vi4 or 6 surface, missing only the 2 or 3 Input bays to the left of the master section. Thus there is only one bay of 8 faders available for input channel control, instead of the 3 or 4 on the larger consoles.

The picture below illustrates the various methods of assigning Input channels to this right-hand bank of faders (blue rectangles), as well as how Output channels can be assigned to these faders (red rectangles).



The 8 Master section faders **A** are dedicated to control of VCAs and Bus masters, as on the Vi4 and 6. The assignments for these faders are controlled by a set of Output Fader Page buttons **B** within this section, and can be customised using the associated Fader Page Setup button.

The 8 Input section faders **C** are available for control of up to 96 input channels, depending on whether the Local Rack being used has the DSP channel upgrade or not (64 inputs without the upgrade).

There are two methods of selecting which Input channels are assigned to these faders:

- By pressing the Input Fader Page buttons **D** on the left of the fader panel. This gives 6 pages of faders, the first 3 (A,B,C) are fixed as Channels 1-9, 9-16 and 17-24 respectively, whilst the second 3 (USER 1, USER 2, USER 3) default to Channels 25-32, 33-40, 41-48 but can be customised with the associated Fader Page Setup button.
- By touching the Input Meter screen **E** on the block of 8 meters corresponding to the channels required. This method temporarily takes priority over the setting made using the Input Fader Page buttons, and the last selected Input Fader page button flashes to indicate that it has been temporarily replaced by the meter selection.

### **Accessing Bus Masters on the right-hand Fader Bay**

Although all the 32 Bus masters on the console can be accessed using the dedicated Master Section Faders **A**, and their corresponding Fader Page buttons **B**, it is not possible to gain access to the Bus Mode and Format controls (Grp/Aux/Matrix and Mono/Stereo mode switches) from this area of the console. When access to these parameters is required, or when easy access to multiple output channel processing sections such as GEQ is required, groups of 8 Bus Masters can be assigned to the right-hand block of 8 faders by touching the Output Meter screen **F** on the block of 8 meters corresponding to the Outputs required.

This method temporarily takes priority over any current input assignments made by the Input Fader Page buttons, and will cancel any existing Input channel selection made by touching the Input Meter screen. Note that the ALL BUSSES button within the Input Fader Page control section **D** can also be used to select the first 8 Bus Masters to the right-hand fader bay. This function is duplicated by touching the Output Meter screen for Busses 1-8.

## Vi2 Power Supplies

### Compatibility of spares with Vi4/6

Like the Vi4 and 6, the Vi2 contains dual-redundant mains power supplies. The actual power units are of a different type to the ones in the Vi4/6 in that they have a lower power output of 110W, compared to 300W on Vi4/6.

The lower power consumption means that the Vi2 power supplies are physically smaller in size compared with Vi4/6 type, and two Vi2 units are fitted in the same space that one Vi4/6 power supply would occupy. For this reason, it is possible in an emergency should both Vi2 power supplies fail, to fit a single spare power supply unit from a Vi4/6. The Vi4/6 unit can be bolted straight in in place of the dual Vi2 unit, as both have the same footprint.

### Hints on using a UPS (uninterruptable power supply)

The power button on the front panel of the Vi2 (as with Vi4/6) uses illumination colour to indicate the state of the two mains power supplies: If both power supplies have mains connected and are functioning, the button illuminates GREEN. If only one of the two power supplies is connected or functioning, the button illuminates in RED.

This feature can be used to advantage when using a UPS to protect the console from power failures. One problem that can arise when using a UPS is that it may not be obvious if the mains power has actually failed, since if this happens in the middle of a show, the audible alarm on the UPS will probably not be heard! The solution is to connect only one of the Vi2 surface's power supplies to the UPS, and connect the other one direct to the mains. In this case, if the mains fails, the power button on the surface will turn RED and give a visual warning that there are only minutes of power left!  
(Tip courtesy of Gert Sanner, FOH Deep Purple)

### Soundcraft Vi2 Dimensions

