Vinteck *sas*

Di Guido Michetti & C.

V-10 CLIPPER

True-bypass MIDI switching Pedalboard
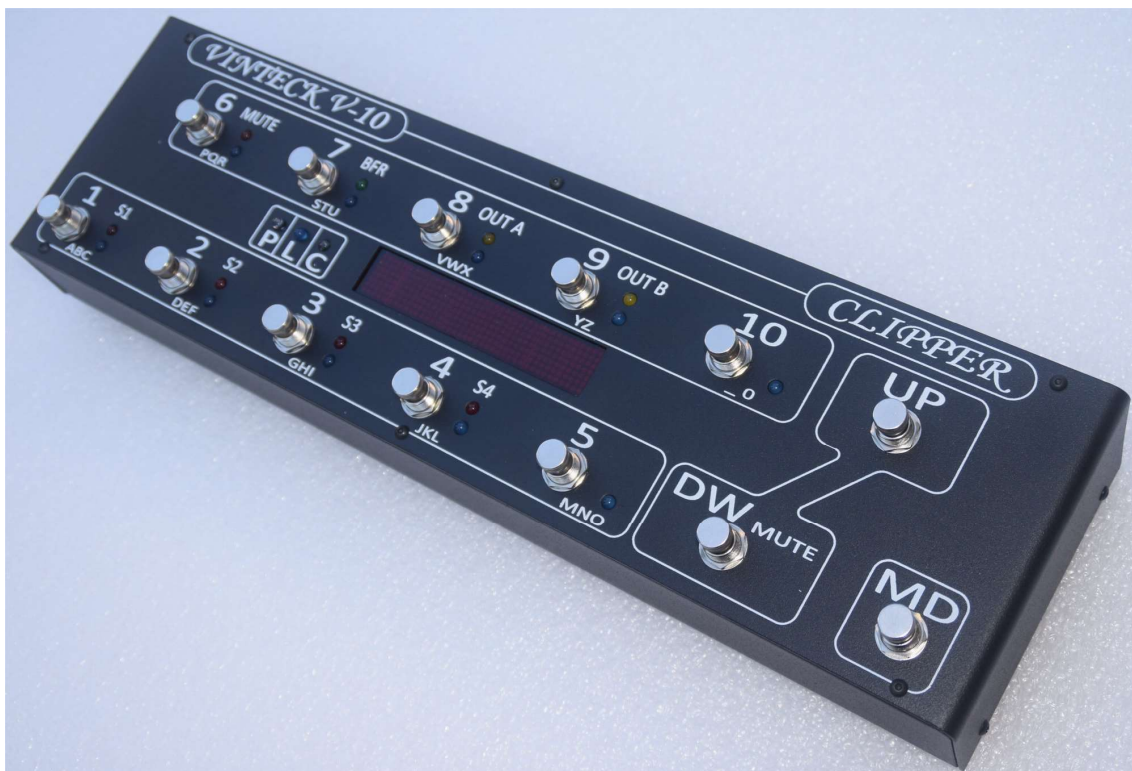
User manual
Ed. 01   rev. 4

SW: DCEA - 0862

Thank you very much for purchase of V-8 pedalboard.
We really hope that it will be good friend for several ours of music. We ask you to write us by email at support@vinteck.com any problems or any ideas about hardware & software you think may be useful to us to built a better product.
We are anytime avalaible for any help you may need about how to use the V-8

Keep on rockin' (blues, jazz, latin, fusion….)

Guido Michetti

Contents

1-instrument marking.

V-10 got in back side a little non removable area with serial and years of building.
It is very important to report this information in case of need of technical supply.

2- general warnings

o   **please read the operator manual before starting the use of V-8 and follow the informations.**
o   **Maintenance must be operated ALWAYS with the instrument not connected to power supply**

V-8 is powered by an external 12 VDC 500mA. In no any case external power supply must be opened or dissasembled.
In no any case the power plug and switch must be disassembled.
Vinteck declines all responsibility for damages to persons, animals and things caused by the non-observance of such a provision.
 Warning
- Use of the machine by not properly trained staff.
- Improper use of the machine.
- Electric energy defects
- Repairing and changes made without authorisation.
- Use of not original or not specific for the model parts.
- Partial or total non-observance of the instructions.
- Use of the machine against national specific laws.
- Calamity and unusual events.

Remaining risk
Definition of remaining risk: "A danger not completely reducible from the designing and the safety devices, i.e. potential and not evident danger".
Since the productive aiming, the mechanical qualities and the presupposed proper usage we didn't find any remaining risks, both during the design and the tests.
Anyway, we recommend:
- to let only trained staff using the machine;
- to check that the machine is supplied by an grounded single-phase electrical cable and the plug has an effective earth terminal.

3- instructions manual

3.1 This manual is addressed to following subjects:
-   Owner;
-   Operators.
-   Technical builder

3.2 **Aiming of details in I.M.**
The manual contains a clear description of all technical specifications of the machine aimed at the transport, adjusting, maintenance, caution, location of remaining risks.

3.3 **Using limits of I.M.**
This manual can never replace an adequate experience of an operator and so it can only be a memorandum of the main operations. We specify, moreover. That I.M. mirrors the technical data at the moment of the purchase of the machine and that the manufacturer has the right to bring up-to-date I.M. and machines without conform I.M. and previous models.

3.4 **How to keep this I.M.**
The operating instruction manual has to be kept in perfect state and has to be always available for consultation. It has to follow the machine in case of transfer of property. It has to be kept until the demolition of the machine itself,
To order the up-to-date versions of I.M. and for any further information, please contact Vinteck sas or the nearest Vinteck sas dealer. We will be pleased to receive your suggestions to improve our quality.

Note for the use of this machine in a foreign country: contingent laws and restrictions in place for this kind of machine in the Country where it is used have to be respected also in the case are not mentioned in this manual.

New updated release of the manual will be available on www.vinteck.com

4- V-10 CLIPPER : technical description

True bypass system, working with silver golden relays.

10 programmable loops, plus 2 extra loops for amps send return connections or non automated effects. Loop 9 and 10 are stereo. A/B – A+B out controls.

It's possible to connect 6 pedals in front of amps an 4 in effects loops, or 8 and 2. Otherwise, all 10 in line in front of amp.

4 programmable switch completely independent from loops, for amps channel control.

Tuner OUT with MUTE Function MUTE activavle on flight, or programmed.

Programmable Buffer (max +4dB) indipendent for each patch.

Stereo OUT or programmable A/B A+B.

Any combination between loops, switch and MIDI program change is possible.

On any programs (1 to 120) it's possible to assign any program change (MIDI MAPPING) and up to 5 control change with independent channel and value.

12 banks, 10 programs each, total 120 programs.

Each bank may be activated or deactivated (form 0 to 11).

Direct acce on the fligh on loop, with MODE function program/loop

MIDI TAP TEMPO with external pedals, Control Change is assignable from 1 to 128.

MIDI channel manager input, output e 0/1 assignament.

MIDI external expression pedal managing, with Continuos control change

MIDI IN and MIDI OUT with eco THRU (all incoming command comes send out as they are)

High visibility LED display. 3 digit for programa number, up to 7 characters per program.

All programming operations may be done standing up.

External Power supply, 12 VAC or unstabilized DC, 600mA

Dimension 43 x 12 cm. High 4.5/6 cm.

5- installation and wiring

All connection are on the back of V-10 CLIPPER
Low from right to left of image::

Power IN   Power supplì input. 12VAC or DC 0.6 A (note: may ne power as well in AC or DC. It is possible to use lower power supply of 0.6 A, keep in mind that in that case will be not possible to activate in same time all switch and loops. When power is connected V10 Clipper is active.

WARNING: Never open the external power supply. Inside there is 230 or 117 Volt power. Opening of power supply is cause of warranty decline.

MIDI OUT   MIDI out socket
MIDI IN   MIDI IN socket

MN ST	MONO STEREO switch. (in MONO connections 9R-R/S e 10R-R/S (right canne) are deactivated, only left channels works. OUTPUTS A and B got same signal coming fron 9 and 10 left loops.
EXT SW	external tap tempo temporary input
Exd	expression pedal inputo (25 Kohm raccomended)
S1-2-3-4	Normalli Open contacts. To be use for amp channel, or any similar application.
OUT R OUT L	signal outputs. OUT L = OUT A, OUT R = OUT B (on pedals indicated as A and B)
- LOOP1-10	loops managed by buttons 1 to 10
S	SEND Segnal to input of effetc
R	RETURN Segnal back from effect.
- X LOOP	fixed llops. Usable for send/return of alway active pedals (in ex volume pedal) See schematics. .
- IN	Guitar or bass INPUT
TUNER	Tuner output. Always on even in MUTE.

PEDALBOARD

 leds show:
- 1-10   BLUE: loop 1 to 10
- S 1-4   RED switch on/off 1, 2, 3 AND 4 .
- MUTE orange MUTE on.
- BFR   GREEN buffer on
OUT A e
OUT B YELLOW outputs A (LEFT) and B (RIGHT) ON
- P   WHITE : PROGRAM FUNCTION ACTIVE
- L –   BLUE.   LOOP function active
- C   ORANGE shows a control change function active

Buttons 1-10 got dual function: activation of single loop or recall of programs. While in programs mode button allows to program the switches 1-to 4, the buffer, the A and B out and may recall as well up to 5 control changes and MIDI functions.

WIRING EXAMPLES
Followings schematis are only examples. Nor to be inted as LOW !!! Personal choise in sound building is the only real referement!

Ex 1. 8 effects in front, 2 effects in send/return. Mono.
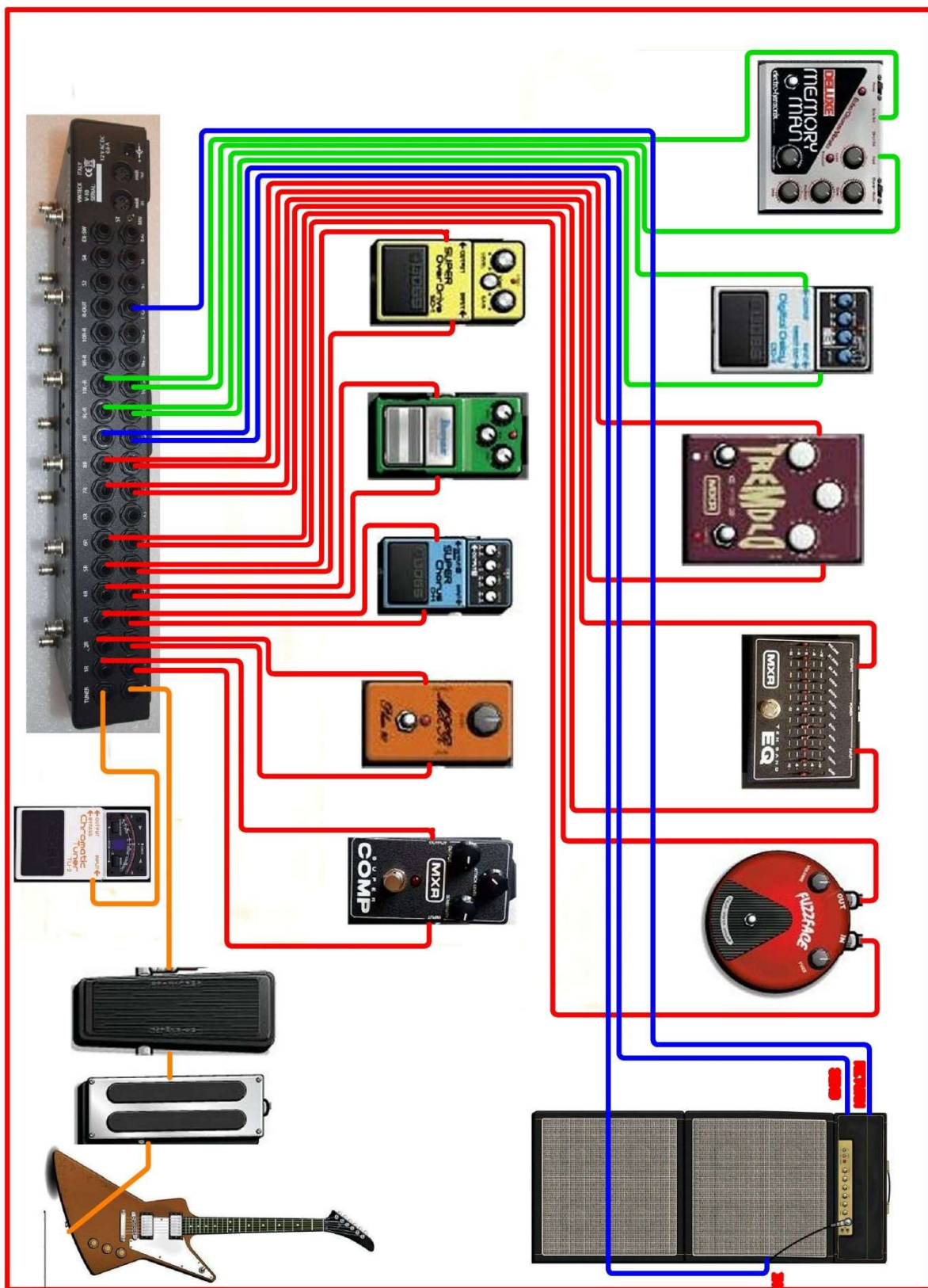
Ex 2

8 effects in front, 2 stereo effects in Send return on 2 amps. Line insulator on amp 2. Midi management and expressione MIDI pedal.
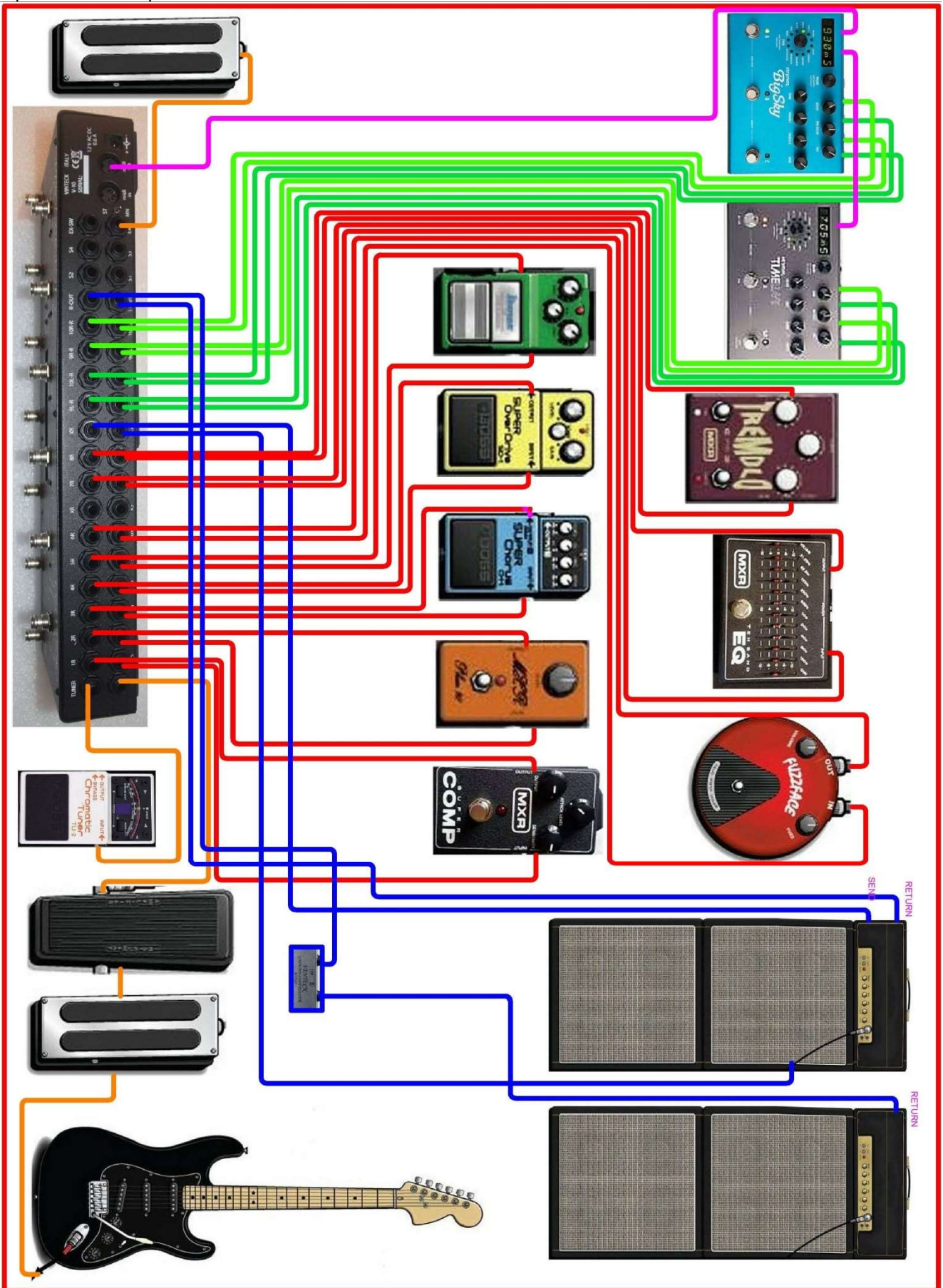
Ex 3

8 effects in front, 2 couple of effects in stereo in fronte of 2 amps. Line insulator on amp 2.
Volume pedal after distorsion pedals.

6- USE AND PROGRAMMING OF V-10 CLIPPER. MIDI MANAGEMENT
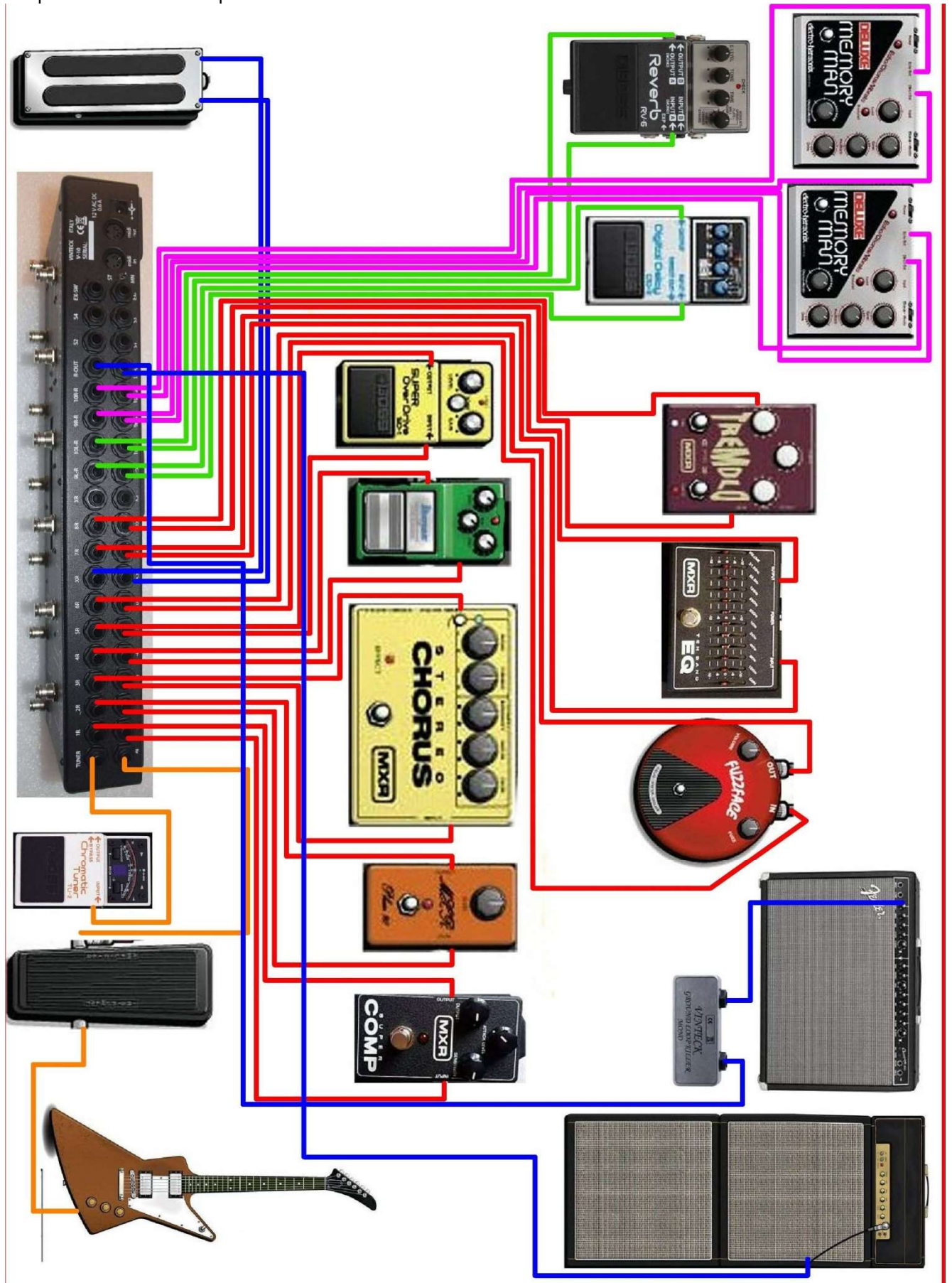
FUNCTIONS OF "MD" BUTTON

MD button
Make selection between LOOP and PROGRAM function of buttons 1 to 10
BLU LED "L" ON buttons 1 to 10 make direct activation of single loops
WHITE led ON button 1 to 10 recall programs
<u>Other function</u>:

While in programming mode MD button gives SAVE function, then close procedure.

Holding pressed MD with WHITE LED "P" on MIDI MAPPING function is activated.

Holding pressed MD with BLUE LED "L" on V10 goes in GLOBAL.

BUTTON "UP" and "DW" FUNCTIONS

UP BUTTON
With WHITE LED "P" ON increments the banks, from 0 to 11, if banks are active.
<u>Other functions</u>
In programming mode allows input in "control change assign to patch"
With BLUE LED "L" ON, holding pressed allows access to "**BANK ACTIVATION**" function.

DW BUTTON
With WHITE LED "P" ON decrements the banks, from 0 to 11, if banks are active.
<u>Other functions</u>
In programming mode allows input in "PATCH NAME ON DISPLAY**"**
MUTE Function
MUTE (silence oc pedalboard, with TUNER out Active) is activable pressing DW while in LOOP MODE

MUTE is also assignable to any patch, if needed.

GLOBAL FUNCTION

GLOBAL allows predefinition of following operative parameters, as in following table.

Button	FUNCTION	COMMAND 1	COMMAND 2	VALUE	OUT SAVE	DEFAULT
1	MIDI in channel	UP DW		0 – omni 1- 16	MD	0
2	MIDI out canne, MASTER	UP DW		1-16	MD	1
3	MIDI numbering 0-127 / 1-128	UP DW		0 - 1	MD	1
4	External Tap Tempo Control Change	UP DW		0-127	MD	80
5	Control Change assignament to buttons 1 2 3 4 5	P1,P2,P3, P4, P5 UP / DW	P6-CC nr	0-120	MD	000
			P7- OUT channel	1-16	MD	1
			P8- CC value	0-127	MD	000
6	External expression pedal Expression pedal calibration Values assigament	P1,P 2, P3 UP, DW	P1- pedale value	0-255	MD	255-255
			P2- LOW limit	0-127	MD	000
			P3- HIGH limit	0-127	MD	000
7	Buffer ON / OFF global	UP, DW	P10		MD	OFF
8						
9	Switch 1, 2, 3 e 4: latch, single shot, dual shot	UP, DW 1,2,3,4	LATCH SINGLE SHOT DUAL SHOT		MD	LATCH
10	BANKS activation	UP, DW	1-10	ACTIVE OFF	MD	1-on

GLOBAL FUNTION ENTER

With blue led "L" press and hold MD for 4 seconds
Display show GLOBAL
Press button corresponding to wanted function

    1- MIDI input channel
      Display show MIDI IN followed by a number from 00 to 16.
      00 is OMNI, all channels ON.
      Make selection with UP and DW (down).
      Save and exit with MD

    2- MIDI output channe
      Display show MIDI OUT followed by a number from 1 to 16
      Make selection with UP and DW (down).
      Save and exit with MD
      Nota: this selection is general, may be changed for any control change

3- **Numbering of MIDI 0-127 / 1-128**
  Display show MIDI followed by a number from 0 to 1
  0 = 0-127 , 1= 1-128
  Make selection with UP and DW (down).
  Save and exit with MD

4- **External Tap Tempo Control Change value**
  With an external temporary button, to be connected to EX_SW, is possible to send a
  CONTROLA CHANGE command for tap tempo in any moment, independent from programs.
  Ant kind of temporary button may be used.
  Top reset the CONTROL CHANGE:
  Display show TAP follone by a number from 1 a 128
  Make selection with UP and DW (down).
  Save and exit with MD
  Note: on same devices CC for tap is 80. Check on device user manual to preset the right value.

5- **Control Changes assign to buttons 1-5, Value and channels**
  With this commando is possible assigb up to 5 control change to buttons 1, 2, 3, 4, 5 to be able
  to recall them on patch.
  The CC of button 5 is dedicated to Expression pedal

  Display show CC1=000
  Pressing buttons 1-5 shows respectively :
  CC1=000
  CC2=000
  CC3=000
  CC4=000
  CC5=000

  For each single button is possible assign the CC, the canne and the value.
  Button __6__ assign the nr of CC: UP e DW for selection, value from 1 to 120)
  ▪   Display show CC1 : 000   (from 000 to 120)
  Button __7__ asseign the CHANNEL of CC: UP e DW for selection, value from 1 to 16
  ▪   Dispaly show CC CH 1 : 016 (from 000 to 016)
  Button __8__ assign the VALUE of CC: UP e DW for selection, value from 0 to 127
  ▪   Display show CCV1 : 000 (from 000 to 127)
  Note: for CC of button 5 values have to be preset in __function 6__
  Save and exit with MD
  Orange LED "C" blinks to show that you're working on CC

6- **External expression pedal calibration. CC value assignement.**
  Chose 1 (button 1): display show:
  EXP 255 255
  This is therangeof calibration of external expression pedal..
  Move up and down the espressione pedal. Calibration is tuned. Value may be from 0 to 255
  ▪   Display show EXP 255 255 (basic. After calibration may be 0 to 255)
  Button 2 assign the __CC LOWER END__   from 0 to 128. SMake selection with UP and DW
  ▪   Display show EXP L : 000
- Button 2 assign the __CC UPPER END__   from 0 to 128. SMake selection with UP and DW
  ▪   Visualizzato EXP U : 000
  Save and exit with MD

7- GLOBAL BUFFER ON/OFF
It is possible to activa or deactivate the buffer on all programs.
One by one it is possible the manage ON / OFF on any program.

Press 7 to select.
Display show ALL B ON or ALL B OFF
Press UP or DW to choose
Confirm selection with P10 (button 10)
Display show for a while 001 a 120 followed by PROG ON
Do not sto anyway the sequence. It's just take a while,
Sequence ends and exit automatically.

8- Unused.

9- Switch 1, 2, 3 and 4: latch, single shot, dual shot

The 4 switches for amp channels may be preset in 3 operation ways.

o   Latch
o   Single shot
o   Dual shot (shot in ON , second shot in OFF)

From GLOBAL press button 9

Display show SW1 : LATCH
With buttons 1,2,3,4 make selection (swicth 1, 2, 3, 4)
With UP and DW select kind of: LATCH, SSHOT, DSHOT

Save and exit with MD

10- Bank activation

V-10 CLIPPER may meorize up to 12 banks, 10programs each.
For easy management it is possible to activate only some of 12 bancs.
Note: Not active banks keeps in menory patchs programmed.

O obtain activation of banks in GLOBAL choose 10
Display showa B00-ACTIVE
With UP and DW select banks, from 00 to 11
Presso any button (1 to 10) to change status OFF or ACTIVE
Save and exit with MD

PATCH PROGRAMMING

Available programs are 100. 10 patch for 10 banks.
On any programs (patch) it is posssible to assign:

-   Any combination on/off of 10 loops
-   Any combination on/off of 4 swicth
-   buffer on/off
-   out A , out B
-   MUTE (when MUTE is programmed no signal comes out from V-10 Clipper)
-   MIDI program change (1-128) and out channel (1-16)
-   Up to 5 Control Change (1-128) e related midi out channel OUT (1-16)

Programming Loops, switches, buffer, mute and A/B out

Whit white led "P" ON (selection with MD)
Hold button of choose program (from 1 to 10) . Keep it for about 3 seconds.
Blinkin of white led means that V-10 is in programming mode.
Press button of loops to be activated. Relative blue led will ON to show selection.
To select switches 1-4 keep pressed relative buttons (1, 2, 3, 4) for about 3 seconds up to red LED
switch light ON.
For BUFFER patch activation or deactivation press 7 and keep up to GREEN led come on or off .
For MUTE patch activation or deactivation press 7 and keep up to GREEN led come on or off .
OUT A and OUT B (relative to OUT L and OUT R in wiring) are always open (yellow led on)
To switches them OFF keep them pressed up to yellow leds comes OFF
Save and exit with MD

Chain up to 5 Control Change to one patch

While in programming of   patch (WHITE LED LED BLINKING) press button UP.
Orange led will blink, to confirm assign procedure.
Pressing buttons 1 to 5 control change pre-assigned in GLOBAL (see GLOBAL 5), CC are chained
to patch program.
Display show CC 1 2 3 4 5 , followings preset done.
Save and exit with MD
To complete save procedure press once MD

PRESET NAME

While programmin (white led "P" blinking) press DW
Procedure is similar to "sms text on phone"

Display show number of program (ex 001) followed by x……
Use the 1-10 buttons, following indication under button (ex. 1= ABC1)
As soon as selected one letter display goes on following.
Max number of characters is 7 for any patch.
Save and exit with MD
To complete save procedure press once MD

PROGRAM CHANGE MIDI MAPPING.
Sofware release DCEA
It is possible to assign a PROGRAM CHANGE differento from patch number.
Default is program change = patch number.
To change program change:
While on the patch (ex 003, anyway 1 to 120) with white led "P" on :
Hold pressed MD for 3 secs
Display show : 001 PC : 000
Use UP and DW (down) to select desiderate Program change number
Selection is done.
Save and exit with MD
Note: when recalled a preset whit Control Change chained, the orange led will blink to show that
Control change are active and send.

PROGRAM CHANGE MIDI MAPPING. – ASSIGN OF 1, 2 or 3 PROGRAM CHANGE
Firmware release SW 0682
It is possible to assign up to 3 different POGRAM CHANGE on different CHANNELS for any single
program / patch , from 1 to 100
As default any program/patch got corrisponding PROGRAM CHANGE (1 = 1, 2= 2 etc)) and send
only 1 PC.
To set up PC anch channels:
Recall the program to modify (1 -100)
With white led "P" on, press MD ank keep pressed for 3 seconds.

Display show: 001 P1 : 001   (001-> patch P1-> progarm : 001 the number of CC)
With UP or DW it's possible to change the PC from 1 to 128
Pressing pulsant "5" display show 001 CH1 : 01
Pressing UP or DW is possible to change the channel, from 1 to 16
Then:

pressing pulsant 2
display show 001 P2 : 000
with UP and DW is possible select from 1 to 128. 000 means NO PC
Press pulsant "6" display show 002 CH1 : 01
With UP and DW is possible to slect from 1 to 16
Then:
pressing pulsant 3
display show 001 P3 : 000
with UP and DW is possible select from 1 to 128. 000 means NO PC
Press pulsant "7" display show 003 CH1 : 01
With UP and DW is possible to slect from 1 to 16

Exit and save with MD

FACTORY RESET

On V-10 CLIPPER8 it's possible to return to beginning default settings.
To make Factory reset:
Shot down power supply, removing power supply cord
Press buttons 1 and 6 together, keep pressed and reinsert power supply.
Display show, after beginning on procedure, "FACTORY R" , as Initialization.
Release buttons.
Note: Factory reset is not reversible.
Warning: procedure may takes up to 20 seconds. Do not stop procedure and do not remove power supply.
In case after 30 secs display stay off, or SW code remain fixed remove power supply. Than reinsert power.
Procedure may needs two times of power on and OFF.

Factory reset is not reversible.

7-Spare parts

Codice	descrizione
TB10S7	Button
TB10BF	Buffer integrated circuit
V-Series-PS	External power supply

8-warranty and terms

V-10 CLIPPER is covered by warranty for 24 mounth from purchase

Aany warranty will be made at the vinteck labs

Lab: via Limone 22 – 10141 Torino Italy

Shipping cost are charged to customers after 1 year.
All operation and any spare parts are covered by warranty.

Warranty do not cover the following cases:

- Uncured utilization
- Damage from transportations
- Repairing and changes made without authorization
- Athmosferic Events
- Incorrect use of instruments
- Power supply not correct
- Use of not original spare parts
- Partial or total non-observance of the instructions;
- Use of the machine against national specific laws.;
- Calamity and unusual events.

9   support

Any information about "how to use" or any technical problems may be send by email to:

support@vinteck.com

or to

info@vinteck.com

DECLARATION OF CONFORMITY

Application of Councl Directive(s):	89/336/EEC and 93/68/EEC
Standard(s) to which Conformity is Daclared	EN 55103-1, EN 55103-2 and 60062: 1998
Manufacturer	Vinteck SAS di Guido Michetti & C. Corso Vittorio Emanuele II, 123 10128 Torino – ITALY The equipment identified here conforms to the Directive(s) and Standards specifed above
Type of equipment	Effects switching system
Model	TB10MKII – TB5+ V-UNO- V-8 , V-5, V10
Data	september 2007

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