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You can read the recommendations in the user guide, the technical guide or the installation guide for M-AUDIO MK-149. You'll find the answers to all your questions on the M-AUDIO MK-149 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual M-AUDIO MK-149
User guide M-AUDIO MK-149
Operating instructions M-AUDIO MK-149
Instructions for use M-AUDIO MK-149
Instruction manual M-AUDIO MK-149

Evolution MK-149
www.evolution.co.uk



MIDI KEYBOARD MANUAL

1. POWER SUPPLY

1-1 DC Power - Batteries (not included)

This unit is powered by 6 "C" (R-14) size batteries. Weak batteries will result in poor performance. Insert batteries as follows:

1. Remove the battery compartment cover and take out the batteries.
2. Insert new batteries making sure that the polarity is correct.
3. It is advisable to replace all 6 batteries at the same time and never mix batteries. Use alkaline batteries for maximum performance.

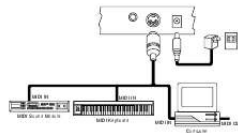
1-2 AC Power

You can also use an AC adapter with the following specification: 9-12V DC output, 250-300mA, centre positive.

Note: Do not leave the adapter plugged in for long periods of time if the unit is not in use.

2. Preparation

2-1 Connect the unit with other MIDI equipment you may have:



2-2 Turn on the POWER switch.

2-3 Turn all other equipment on.

3. Setting the MIDI TRANSMIT Channel

There are 16 MIDI transmit channels available. Once you have set the unit's MIDI channel, the unit sends all MIDI messages on this MIDI channel. Be sure to match the channel with the RECEIVE channel of any connected equipment.

3-1 Press the CHANNEL switch. The LED shows the present TRANSMIT channel

3-2 Press one (or two) of the numeric keys to change the channel. The LED changes to the pressed number.

3-3 You can also use +/- switches to increase or decrease the value.



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Manual abstract:

evolution.co.uk VEL. C U R V E B A N K L B A N K M R E S E T - A C M E M O R Y G M - R E S E T P O W E R O F F O N M A S T E R V O L U M E M I N M A X M U L T I D I S P L A Y W H E E L A S S I G N . C H A N N E L P R O G R A M X P O S E R O C T A V E 0 1 2 3 4 5 6 7 8 9 K E Y B O A R D F O R C O M P U T E R M U S I C P I T C H B E N D M O D U L A T I O N M I D I K E Y B O A R D M A N U A L 1 . 1 - 1 P O W E R S U P P L Y D C P o w e r - B a t t e r i e s (n o t i n c l u d e d) T h i s u n i t i s p o w e r e d b y 6 " C " (R - 1 4) s i z e b a t t e r i e s . W e a k b a t t e r i e s w i l l r e s u l t i n p o o r p e r f o r m a n c e . I n s e r t b a t t e r i e s a s f o l l o w s : 1 . R e m o v e t h e b a t t e r y c o m p a r t m e n t c o v e r a n d t a k e o u t t h e b a t t e r i e s . 2 . I n s e r t n e w b a t t e r i e s m a k i n g s u r e t h a t t h e p o l a r i t y i s c o r r e c t . 3 . @ @ U s e a l k a l i n e b a t t e r i e s f o r m a x i m u m p e r f o r m a n c e . @ @ 2 . @ @ T u r n a l l o t h e r e q u i p m e n t o n . S e t t i n g t h e M I D I T R A N S M I T C h a n n e l T h e r e a r e 1 6 M I D I t r a n s m i t c h a n n e l s a v a i l a b l e . O n c e y o u h a v e s e t t h e u n i t ' s M I D I c h a n n e l , t h e u n i t s e n d s a l l M I D I m e s s a g e s o n t h i s M I D I c h a n n e l . B e s u r e t o m a t c h t h e c h a n n e l w i t h t h e R E C E I V E c h a n n e l o f a n y c o n n e c t e d e q u i p m e n t . 3 - 1 3 - 2 3 - 3 P r e s s t h e C H A N N E L s w i t c h . T h e L E D s h o w s t h e p r e s e n t T R A N S M I T c h a n n e l P r e s s o n e (o r t w o) o f t h e n u m e r i c k e y s t o c h a n g e t h e c h a n n e l . T h e L E D c h a n g e s t o t h e p r e s s e d n u m b e r . Y o u c a n a l s o u s e + / - s w i t c h e s t o i n c r e a s e o r d e c r e a s e t h e v a l u e . N o t e : * i f y o u d o n o t h i n g a f t e r s t e p 3 - 1 f o r a b o u t 5 s e c o n d s , t h e L E D w i l l C H A N G E n u m b e r . * T h e d e f a u l t C H A N N E L i s 1 w h e n p o w e r i s t u r n e d o n . 4 . V o l u m e C o n t r o l r e t u r n t o s h o w t h e p r e s e n t P R O G R A M M o v i n g t h e M A S T E R V O L U M E s l i d e r t r a n s m i t s M I D I V O L U M E m e s s a g e s t o c o n n e c t e d e q u i p m e n t . T h i s a l l o w s y o u t o c o n t r o l t h e m a s t e r v o l u m e o f c o n n e c t e d d e v i c e s , e . g . s y n t h e s i z e r , m o d u l e s . 5 . P I T C H B E N D W H E E L M o v i n g t h e P I T C H B E N D W H E E L t r a n s m i t s M I D I P I T C H B E N D m e s s a g e s t o a n y c o n n e c t e d e q u i p m e n t . T h i s a l l o w s y o u t o b e n d t h e p i t c h o f a s o u n d u p (o r d o w n) t o a d d e x p r e s s i o n t o y o u r p e r f o r m a n c e . 5 - 1 5 - 2 6 . T o b e n d t h e s o u n d u p : M o v e t h e W H E E L a w a y f r o m y o u . T o b e n d t h e s o u n d d o w n : M o v e t h e W H E E L t o w a r d s y o u . W H E E L A S S I G N U s e t h e W H E E L t o t r a n s m i t M I D I C O N T R O L C H A N G E S . Y o u c a n s e l e c t a n d a s s i g n 1 1 9 t y p e s o f M I D I f u n c t i o n s (1 - 3 1 , 3 3 9 5 , 1 0 2 - 1 2 1 , 1 2 8 - 1 3 2) N u m b e r 1 - 1 2 7 1 2 8 1 2 9 1 3 0 1 3 1 1 3 2 F u n c t i o n s S t a n d a r d M I D I c o n t r o l l e r s P i t c h B e n d S e n s i t i v i t y F i n e T u n e C o a r s e P r e s s u r e C h a n n e l P r e s s u r e V e l o c i t y 6 - 1 P r e s s t h e W H E E L A S S I G N s w i t c h a n d t h e L E D s t a r t s t o f l a s h s h o w i n g t h e n u m b e r o f t h e p r e s e n t M I D I c o n t r o l l e r . 6 - 2 P r e s s n u m e r i c k e y s 0 - 9 t o s e l e c t a n e w M I D I c o n t r o l l e r . Y o u c a n a l s o u s e t h e + / - s w i t c h e s t o i n c r e a s e o r d e c r e a s e t h e v a l u e o f t h e n u m b e r . @ @ @ @ @ @ 7 . @ @ Y o u c a n t r a n s p o s e t h e p i t c h b y 2 4 h a l f s t e p s (1 2 u p , 1 2 d o w n) . 7 - 1 P r e s s t h e T R A N S P O S E s w i t c h . T h e L E D s h o w s t h e c u r r e n t T R A N S P O S E v a l u e . @ @ @ @ @ @ @ @ 8 - 1 8 - 2 P r e s s t h e O C T A V E s w i t c h . T h e L E D s t a r t s t o f l a s h s h o w i n g t h e c u r r e n t O C T A V E v a l u e . @ @ @ @ 9 . @ @ 9 - 1 P r e s s t h e P R O G R A M s w i t c h . @ @ t h e v a l u e . N o t e : c u r r e n t P R O G R A M n u m b e r . @ @ @ @ @ @ 1 0 - 1 P r e s s t h e C H A N N E L a n d P R O G R A M s w i t c h e s s i m u l t a n e o u s l y . T h e L E D s t a r t s t o f l a s h s h o w i n g t h e c u r r e n t v a l u e o f t h e L S B . P r e s s t h e n u m e r i c k e y s t o c h a n g e t h e L S B v a l u e . @ @ 1 0 - 2 P r e s s t h e P R O G R A M a n d M E M O R Y s w i t c h e s s i m u l t a n e o u s l y . T h e L E D s t a r t s t o f l a s h s h o w i n g t h e c u r r e n t v a l u e o f t h e M S B . P r e s s n u m e r i c k e y s t o c h a n g e t h e M S B v a l u e . @ @ N o t e : * i f y o u d o n ' t d o a n y t h i n g f o r 5 s e c o n d s t h e L E D s t o p s f l a s h i n g a n d s h o w s t h e c u r r e n t P R O G R A M C H A N G E n u m b e r . * i f t h e n u m b e r y o u i n p u t i s o v e r 1 2 7 , i t w i l l r e t u r n t o t h e p r e v i o u s L S B o r M S B v a l u e . P R O G R A M & B A N K C H A N G E M E M O R Y 1 1 . Y o u c a n a s s i g n a s e l e c t e d P R O G R A M C H A N G E a s w e l l a s a B A N K L S B a n d a B A N K M S B t o o n e o f s i x n u m e r i c k e y s (0 - 5) . O n c e s t o r e d , s i m p l y p r e s s i n g o n e o f t h e n u m e r i c k e y s w i l l s e n d t h e d e s i r e d P R O G R A M a n d B A N K C H A N G E S . 1 1 - 1 S e l e c t t h e d e s i r e d P R O G R A M C H A N G E , B A N K L S B a n d M S B . P l e a s e r e f e r t o r e s p e c t i v e c h a p t e r s f o r i n f o r m a t i o n o n h o w t o d o t h i s . 1 1 - 2 P r e s s t h e M E M O R Y s w i t c h . T h e L E D s t a r t s t o f l a s h . 1 1 - 3 P r e s s t h e n u m e r i c k e y (f r o m 0 t o 5) y o u w i s h t o a s s i g n t h e d a t a t o . T h e P R O G R A M a n d B A N K C H A N G E i n f o r m a t i o n i s s t o r e d o n t h e s e l e c t e d n u m e r i c k e y u n t i l t h e u n i t i s p o w e r e d o f f . 1 2 . S e l e c t i n g a V E L O C I T Y C U R V E T h e V E L O C I T Y C U R V E s d e t e r m i n e t h e r e l a t i o n s h i p b e t w e e n h o w h a r d t h e k e y s a r e s t r u c k a n d t h e c o r r e s p o n d i n g v e l o c i t y t h a t t h e u n i t t r a n s m i t s . T h i s u n i t a l l o w s y o u t o s e l e c t f r o m 1 0 V E L O C I T Y C U R V E s . 1 2 - 1 S i m u l t a n e o u s l y p r e s s t h e W H E E L A S S I G N a n d C H A N N E L s w i t c h e s . T h e L E D s t a r t s t o f l a s h s h o w i n g t h e c u r r e n t n u m b e r o f t h e V E L O C I T Y C U R V E . 1 2 - 2 P r e s s o n e o f t h e n u m e r i c k e y s (0 - 9) t o s e l e c t a V E L O C I T Y C U R V E . T h e 1 0 k e y n u m b e r s c o r r e s p o n d t o t h e 1 0 V E L O C I T Y C U R V E s a s f o l l o w s : L o a d L o a d L o a d L o a d L o a d S o f t S o f t H a r d S o f t S o f t H a r d S o f t S o f t H a r d S o f t S o f t H a r d S o f t S o f t H a r d S o f t S o f t H a r d S o f t S o f t H a r d S o f t S o f t H a r d Y o u c a n a l s o u s e t h e "+" o r "-" s w i t c h e s t o c h a n g e t h e n u m b e r . @ @ @ @ 1 3 - 1 P r e s s M E M O R Y a n d T R A N S P O S E s w i t c h e s s i m u l t a n e o u s l y . 1 4 . @ @ 1 4 - 1 P r e s s t h e T R A N S P O S E a n d O C T A V E s w i t c h e s s i m u l t a n e o u s l y . 1 5 . S P E C I F I C A T I O N S 1 . K e y b o a r d : 4 9 s t a n d a r d k e y s (V e l o c i t y s e n s i t i v e) 2 . C o n t r o l : S w i t c h e s (W H E E L , M I D I C H A N N E L , P R O G R A M , M E M O R Y , T R A N S P O S E , O C T A V E , V E L C U R V E , B A N K L S B , B A N K M S B , R E S E T - A C , G M - R E S E T) P I T C H B E N D W H E E L , M O D U L A T I O N W H E E L , P O W E R S W I T C H , M A S T E R V O L U M E , N u m e r i c K e y s (0 - 9) 3 . D i s p l a y : 3 d i g i t L E D 4 . J a c k : D C I N (D C 9 V) , M I D I O U T , S U S T A I N 5 . D i m e n s i o n : 8 0 5 x 2 0 5 x 8 4 (m m) 6 . W e i g h t : 3 . 2 k g N o t e : S p e c i f i c a t i o n s a r e s u b j e c t t o c h a n g e w i t h o u t p r i o r n o t i c e . A P P E N D I X M I D I I M P L E M E N T A T I O N C H A R T F u n c t i o n B a s i c : D e f a u l t C h a n n e l : C h a n g e d : D e f a u l t M o d e : M e s s a g e s : A l t e r e d N o t e N u m b e r : T r u e V o i c e V e l o c i t y : N o t e O N : N o t e O F F A f t e r : K e y ' s T o u c h : C h ' s P i t c h B e n d 0 , 3 2 1 2 C o n t r o l 6 C h a n g e 7 1 0 6 4 P r o g r a m C h a n g e : T r u e N u m b e r S y s t e m E x c l u s i v e : S o n g P o s i t i o n C o m m o n : S o n g S e l e c t : T u n e S y s t e m : C l o c k E x c l u s i v e : C o m m a n d s A u x : L o c a l O N / O F F M e s s a g e s : A l l N o t e s O F F : A c t i v e S e n s e : R e s e t N o t e s : T r a n s m i t t e d 1 - 1 6 1 - 1 6 ----- X * * * * * * * * 1 2 - 1 2 0 * * * * * * * * 0 X X 0 B a n k s e l e c t M o d u l a t i o n B r e a t h C o n t r o l D a t a E n t r y V o l u m e P a n p o t H o l d 1 R e c e i v e d R e m a r k s 0 0 0 - 1 2 7 * * * * * * * * X X X X X X X X 0 X : C a n b e s e t t o 0 o r X .



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