

CK76 ESSENTIAL KNOWLEDGE GUIDE

Information Guide
about the CK76 Stage Keyboard
10/2026



THE VERSATILE CK STAGE KEYBOARD



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CK SERIES

THE VERSATILE STAGE KEYBOARDS

For a few years now, the Yamaha CK series has enamoured musicians around the world with its versatile range of sounds and its clear control structure. The CK76 plays into these strengths and expands the series with a model that sits right in between the already established CK88 and CK61. With the CK76 comes CK OS Update 2.0, bringing new sounds and functionality to the entire range.

Like the other models from the CK series, the Yamaha CK76 features a one-to-one control layout. Every single Knob on the surface controls exactly one function, and every sound control is represented by a physical Controller. No deep dive into menus and submenus to make changes to the sound – every aspect of adjustment is right there on the surface. This intuitive interface allows fast on-the-fly sound shaping and lets players easily integrate real-time adjustments into their performances. Together with the CK76, Yamaha also rolls out an OS Update to Version 2.0 for the entire range that includes a clever functionality tweak and a number of new Live Set Sounds and Voices.



WHERE, WHO, AND WHY?

The instruments of the CK series are true all-rounders and at home wherever good and varied keyboard sound is required. This ranges from the professional live stage to the small club to the campfire where no power is available. Whether it's songwriting, a choir rehearsal, a quick serenade, or recording a production in the studio or bedroom - with the CK series, you're guaranteed to have the right "tool" at hand for such occasions and more.



The **CK61** is aimed at keyboardists who appreciate lightweight keys, an equally lightweight instrument, and compact dimensions. With an abundance of "bread and butter sounds", controllers for organ sounds as well as numerous synthesiser voices, there is plenty of basic material for all requirements. Outstanding are the intuitive possibilities for fast and effective sound processing with Knobs for Filter and Envelope. A comprehensive selection of Effects gives the sound the perfect finish, so that hardly any wishes should remain unfulfilled.

Yaffra on the CK61





Marte Eberson on the CK76



The **CK76** fills a space in the CK series that perfectly complements the other models. With its 76 semi-weighted keys it sits right in the middle of the range, both in terms of size and action. More compact and thus easier to transport than its larger sibling, it still delivers a comfortable playing feel and key feedback. Built-in speakers and the option to run on battery power turn the CK76 into a self-contained unit of musical expression.



Ecco on the CK88



With its 88-key GHS keyboard, the **CK88** is a suitable choice for more piano-oriented players. Wherever there is no grand or electric piano available - and perhaps not even a speaker system - the CK88 offers characterful sounds from the categories piano/e-piano, organ, strings, brass, pad, and ethnic. For example, a Split/Layer combination for a band project can be created in just a few steps. If the accompaniment of a choir with one of the already existing piano Live Sets is required, the signal for the direct connection to the house system, for example, can be adjusted very quickly with the Controls of the Master EQ, so that a mixing console can be omitted. Furthermore, in terms of sound and feel the CK88 proves that “piano feeling” does not depend on moving several hundred kilograms of weight.

THE MAIN FEATURES OF THE CK SERIES

- High quality sounds based on AWM2 as well as AWM (Organ Flutes)
- 128 voices of polyphony
- Three Parts (individually selectable)
- 367 Voices (all Categories)
- 51 Effect Types:
 - Insert Effects: 5 Drive Types, 36 Effect Types
 - Delay: 4 Types
 - Reverb: 3 Types
 - Percussion/Chorus/Vibrato for the Organ Flutes
- Master-EQ
- 160 Live Set memory slots (64 User / 96 overwritable Presets)
- Built-in speakers (switchable, 6W x 2)
- Full Dot LCD (128 x 64 dots)
- USB MIDI/Audio Interface
- Bluetooth Audio (Input only)
- Audio Input for external audio sources, featuring Insert Effects
- Compatible with Soundmondo and the Rec'n'Share App
- Three keyboard variants:
 - CK61 - 61-key FSB keyboard, initial touch
 - CK76 - 76-key semi-weighted FSB keyboard, initial touch
 - CK88 - 88-key GHS keyboard: matte black keytops

HIGHLIGHTS OF THE CK SERIES

- Intuitive operation
- Organ control panel with controls for the Organ Footage and separate controls for Percussion and Vibrato/Chorus
- Flexible Layer and Split combinations (up to two Split Points)
- Dedicated controllers for Cutoff/Resonance and Envelope parameters and Effects
- Easy to transport (CK61 - 5.6 kg / CK76 - 6.7 kg / CK88 - 13.1 kg)
- Optional Soft Cases available



OVERVIEW

PARTS & VOICES

The sound generation of the CK series can be distributed over up to three Parts. All Parts have the same range of functions, and all available Voices (incl. organ) can be assigned individually. The most important controls for Parts and Voice selection are located to the left of and directly below the display.

There are two buttons per Part - for switching on/off and for selecting the Parts. Directly above them Sliders for the Part Volume can be found. Below the display, the [CATEGORY] buttons can be used to select a Voice for the currently active Part.

The following options are available for selecting Voices:

- Pressing the [CATEGORY] button several times (calls up a list when pressed faster)
- [VALUE ▲▼] buttons
- Encoder Knob (to scroll through the Voice list of the selected Category)



The sound stock of all Categories comprises 367 Voices and is divided into the following Categories:

- Piano
- E.Piano
- Organ
- Brs/Wind (Brass/Woodwind)
- Gtr/Bass (Guitar/Bass)
- Strings
- Pad
- Lead
- Chr. Perc (Chromatic Percussion)
- Others

The highlights among the pianos are the high-quality concert grand piano

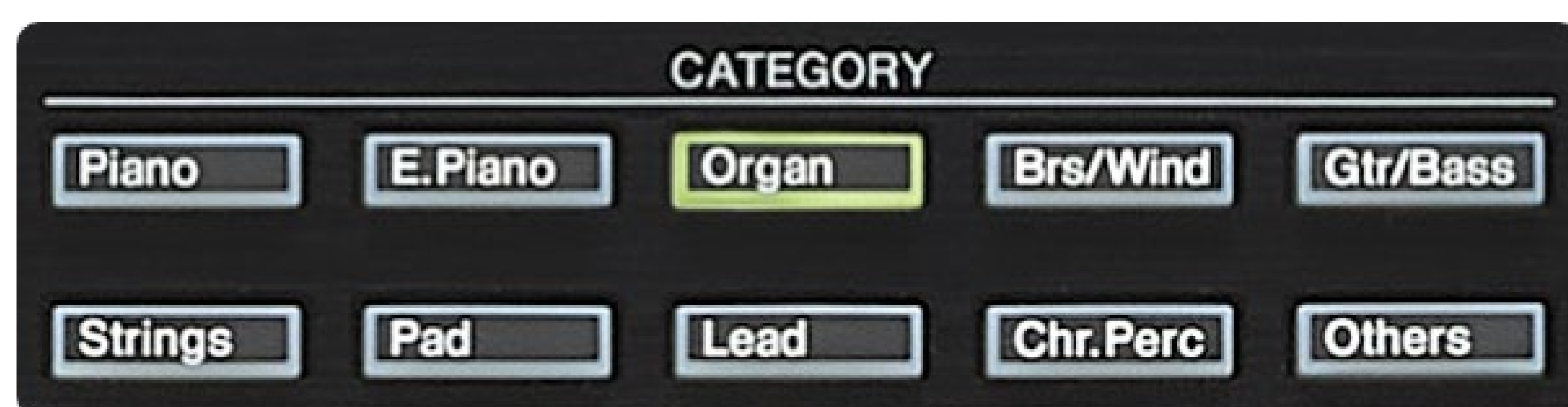
sounds such as the Yamaha CFX and S700. The Yamaha U1, a classic upright piano, as well as the very popular “Live CF3” are also included in the sound stock of the CK.

The “Best Of” selection of the E.Pianos Category starts with classics like “78rd” and “73rd Studio”, but of course also offers “Wr” and “Clav” variants as well as various DX E.Pianos.

The OS Version 2.0 introduces four new E.Piano Voices to the CK family: 74Rd Stage, 67Rd Dark, 67Rd Bright, and Wr Wide.

All other Categories include a wide range of Voices, from acoustic instruments to synthesiser sounds and ethnic voices.

With the rich stock of Voices from all common areas, you are well equipped for every live gig.

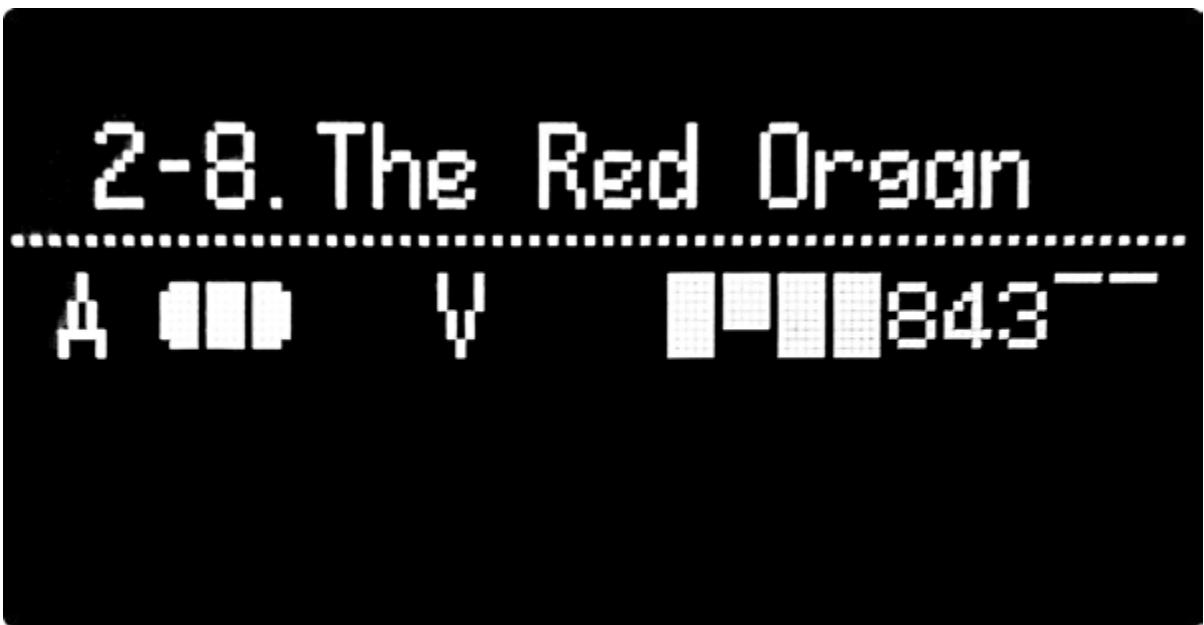


ORGAN CONTROL

An ergonomically well-placed Drawbar panel controls the Footages of the independent Organ Voices. The five different Models (H, V, F, A, and Y) are based on Yamaha’s AWM (Organ Flutes) tone generator. The Models are selected via the corresponding “Organ” Category. The Category contains further Voices, including church organs and accordion variants. These additional Voices are generated by the AWM2 engine and cannot be controlled via the control panel designed for the Organ Models.

The features that are indispensable for an authentic organ sound, such as Rotary Speaker, Percussion, Vibrato, and Chorus, can be activated and influenced via appropriately arranged buttons.

The set Drawbar Registrations are shown in the display as a bar graph. While operating the Drawbars, the respective value is also displayed. As with the original Drawbar system, the range of values is divided into a scale of 0-8.



TIP: Drawbar settings can be noted by a corresponding numerical code or used for sharing with other musicians, such as > 866005600 <. With a simultaneous glance at the display, such Registrations can be set precisely.



EFFECTS

The CK series features a very comprehensive Effects system. Three independent Effects are available for each Part, which can be applied to all available Voices. The first of these Effects is set to the superordinate Category “Drive” and contains Distortion Effects as well as Rotary Speaker Simulation and a Compressor. The other two Effects are identical and provide 36 variations each from different Effect Categories.



A separate Effect unit is the combination Vibrato/Chorus, which can be applied exclusively to the Models of the “AWM (Organ Flutes)” in the left control panel.

Following this Part Effect chain, a Delay, and a Reverb are available. Both Effects affect the sum of all active Parts with one Send Level each.

At the end of the Effect chain, a global adjustment of the output signal, e.g. for adaptation to an active loudspeaker system, can be made by using the Master EQ. The Effects, including the Master EQ, can be stored individually for each Live Set.

In addition, there is a separate Effect unit for the A/D Input, which contains an Equalizer, a Noise Gate, and two further Insert Effects. These also draw from a pool of 34 Effect Types.

SOUND SHAPING



To adjust the sound of the Voices, use the “FILTER” and “EG” sections, which are located to the right of the centre control panel. The four buttons to the left of the “RESONANCE” control are also used for sound processing.

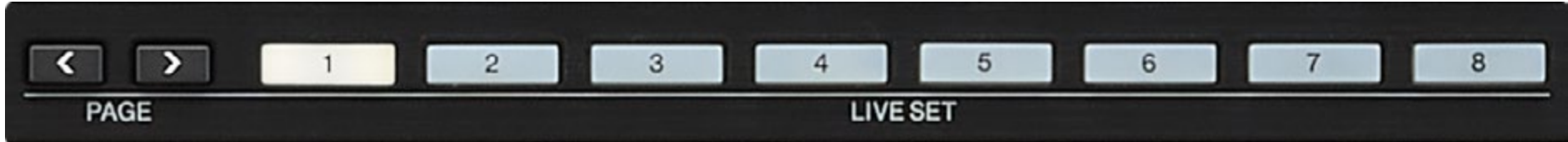
The “MONO” button switches the selected Voice to monophonic playing mode. Two different Portamento variants can be selected via “TYPE”.

“UNISON” activates the mode of the same name. This parameter is a kind of “Doppler Effect” and practically layers the Voice with itself. Specifically, two sounds of the same Voice are layered, and you can choose the octave of the layering Voice depending on the Type. Originally developed mainly for synthesizers, it can be applied to each and every (!) Voice in the CK series - including the “Organ” Category.

LIVE SET

Almost all possible settings on the instrument can be stored in a Live Set. A total of 160 memory locations are available, 96 of which are overwriteable Presets. If necessary, these can be restored via a “Factory Reset”. In addition, the memory contents can be saved in various File packages on a connected USB flash drive.

With up to three Parts, Split/Layer combinations, and numerous independent Effects per Part, a Live Set can store everything for an impressive live performance.



BATTERY OPERATION/SPEAKERS

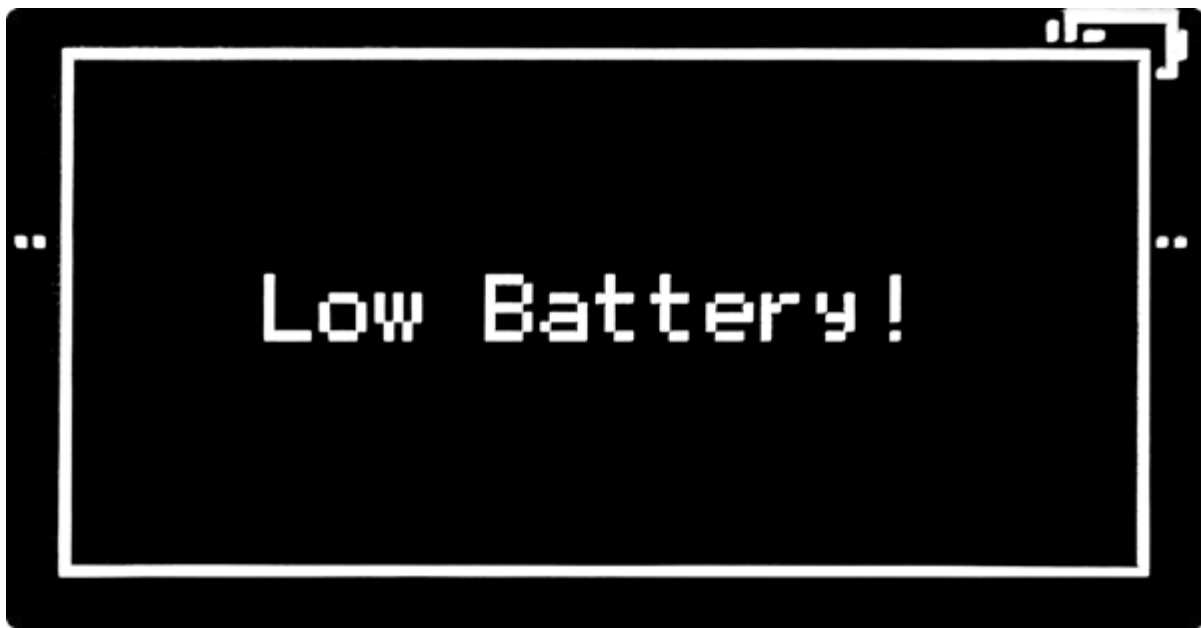
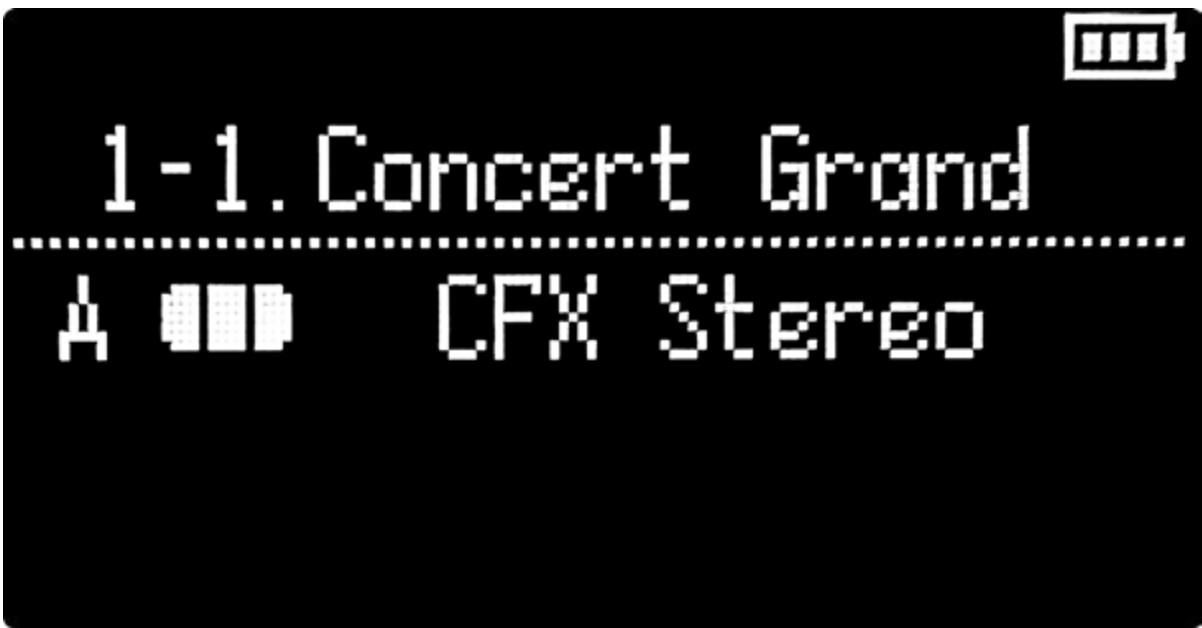
The CK series is perfectly prepared for spontaneous music-making. Even when there is no power supply and/or no amplification system available. With eight AA batteries or rechargeable batteries, the instruments can be operated independently of the mains supply.

A corresponding indicator in the display shows the approximate remaining capacity of the batteries.

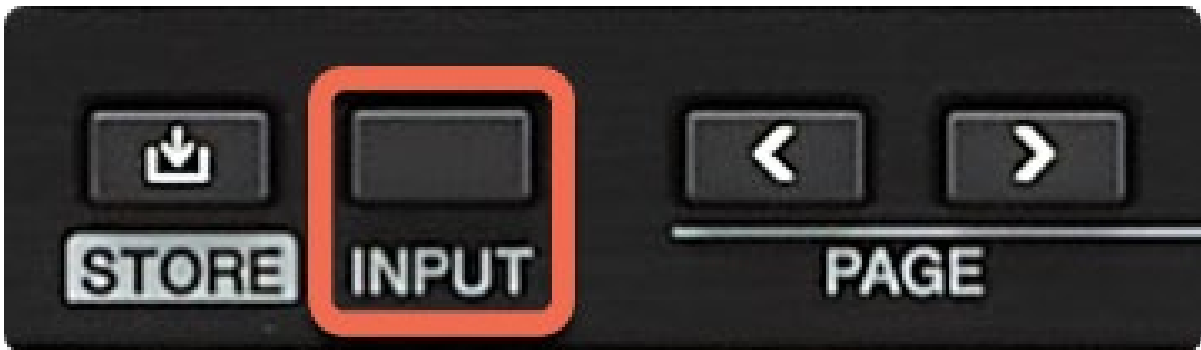


The active speaker system can be switched by a switch on the back of the instrument. The length of operating time with battery power is, of course, directly dependent on the power demanded from the speaker system. Higher volumes over a longer period of time reduce the capacity of the batteries more quickly.

When a lower capacity limit is reached, a warning message appears on the display and the speaker system is switched off at the same time. This leaves enough remaining capacity to save any settings made and to save a Backup File on a USB flash drive.



A/D INPUT

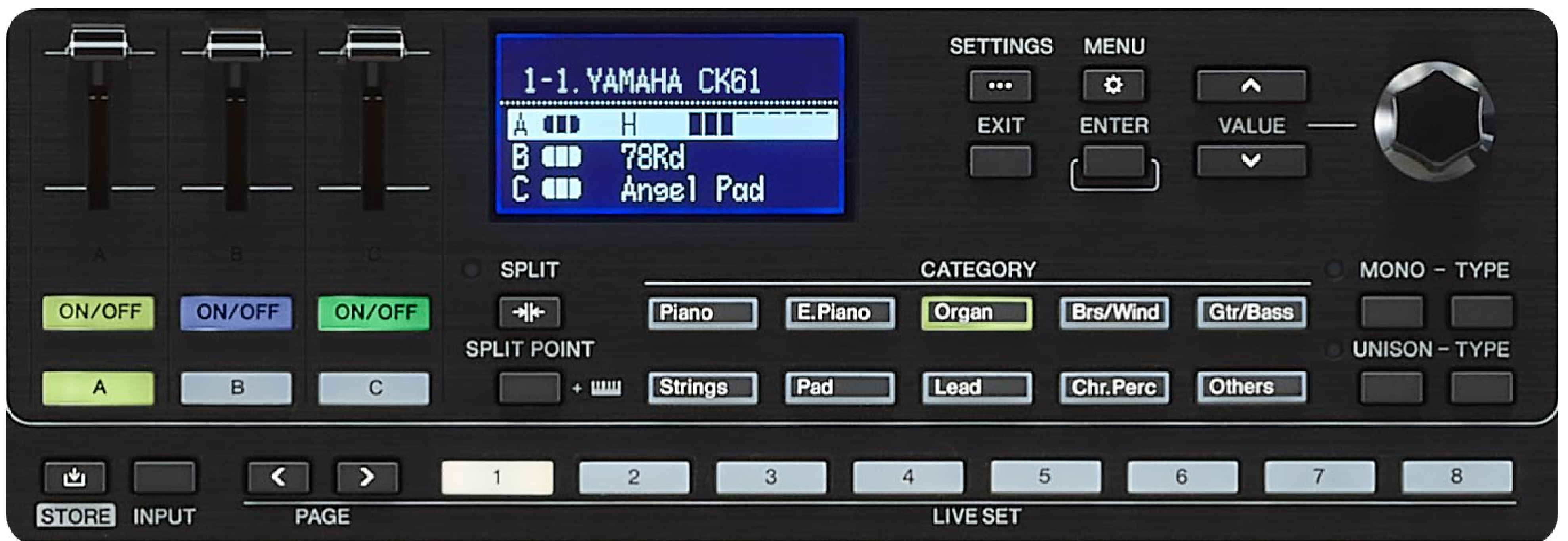


The instruments of the CK series are equipped with a very flexible stereo Input. This can be used for external instruments, audio players, or microphones. In the menu, the Input Sensitivity can be adjusted between “Line” and “Mic”. This setting is global and remains after the instruments are switched off. In addition, right next to the jack inputs there is a “GAIN” control for level adjustment to the internal tone generation.

For all other settings, the [INPUT] button is located next to [STORE]. Here you have direct access to the settings for Volume, Effects, Equalizer, and Noise Gate. These settings are stored with the Live Set.



FIRST STEPS



The operating concept of the CK series allows a very quick and intuitive start. A look into the manual is hardly necessary for your first steps.

In the centre of the control panel is the LC display (128 x 64 dots). Below it are ten buttons for selecting the Voice Category in the currently active Part. Below this is a multifunctional keypad (1-8), which can be used in the regular playing mode to call up the Live Sets.

After switching on, the instrument is ready to play in this Live Set mode and the first Preset Live Set is active. Pressing one of the other eight Live Set buttons (1 - 8) calls up the corresponding Preset. The Live Set Page is selected with the [PAGE <>] buttons.

In addition to accessing Live Sets, this keypad provides various settings, memory operations, and some additional functions.

Almost all sections of the tone generation and the Effects have an on/off button. The integrated multi-colour LED shows immediately whether the section is active.

To the right of the display the buttons [SETTINGS], [MENU], [EXIT], and [ENTER] can be found. They offer access to numerous parameters via a menu structure, which are not directly assigned to a control element on the user interface of the instruments. Value changes are made with the [VALUE ^/v] buttons or the Encoder wheel. The sub-menu items can also be selected and confirmed with [ENTER].

TIP: There is a very convenient alternative for selecting menu items. You can find more on this in the section “SHORTCUTS, QUICK-LINKS & MORE...”



PART CONTROL

Directly to the left of the display are the Part Control elements. Here, the three Parts are activated or deactivated with the [ON/OFF] buttons. Part selection is done with [A/B/C]. The sliders are used to set the Part Volume.

The Part selection buttons [A/B/C] only work for active Parts. The Volume sliders, on the other hand, also work for deactivated Parts. By default, the Parts are displayed in different colours.

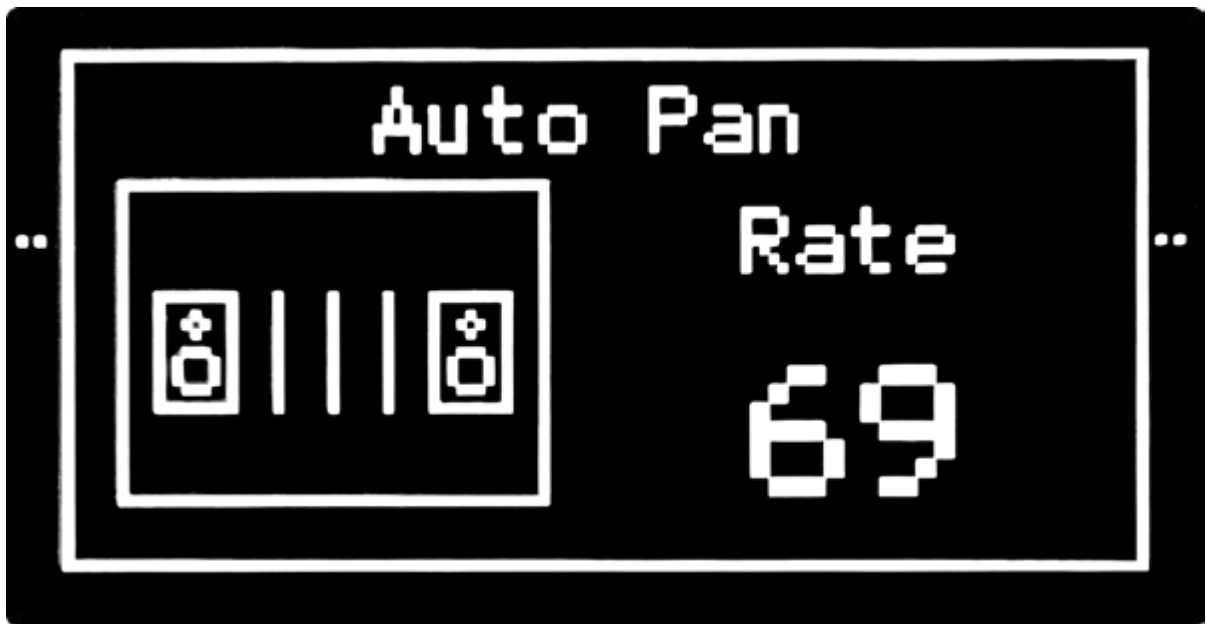
If a Part is switched on and selected, all active buttons belonging to this Part are displayed in the same colour. This makes it easy to see which Category the selected Voice comes from, whether Filters or EGs have been programmed, and which Effects are in use.

The colour scheme is not fixed. Each Part can be assigned an individual colour. There are twelve colours available. The setting is made via the following path:

- [SETTINGS] > “Function” > “Part Color” > “Part A/B/C”

TIP: The selectable colours for Parts could also be used to quickly identify certain Voice Categories or Split/Layer variants for self-programmed Live Sets.

To the right of the tone generation area are the Effect and Master EQ controls. All important parameters are adjustable via buttons and knobs. For none of the corresponding parameters is it necessary to call up a menu or to switch to an edit mode. However, the display gives feedback on the exact value set for all knobs. Thus, intuitive and fast operation is not at the expense of accuracy when it is required.



The colour coding of the Parts makes it quick and intuitive to see which Part is affected by the current settings.

TIP: Multiple selections are also possible! If two or three active Part Select buttons ([A/B/C]) are pressed simultaneously, the colour of all usable buttons changes to white and the Category buttons are deactivated. In this state, for example, Filter and Envelope parameters as well as Effects can be switched and adjusted for the simultaneously selected Parts.



LIVE SETS

The buttons for calling up the Live Sets are located centrally and directly above the keyboard. The [PAGE <>] buttons call up the 20 Live Set Pages, which works as a quasi-endless loop in both ascending and descending direction of the Pages.

In the same row on the far left is the [STORE] button, which can be used to store selected settings in the Live Set.

Live Sets can also be called up via MIDI (USB) using MSB/LSB/PRG Changes.

The setting of the name for a new or edited Live Set must be made before the store operation. The following steps are required:

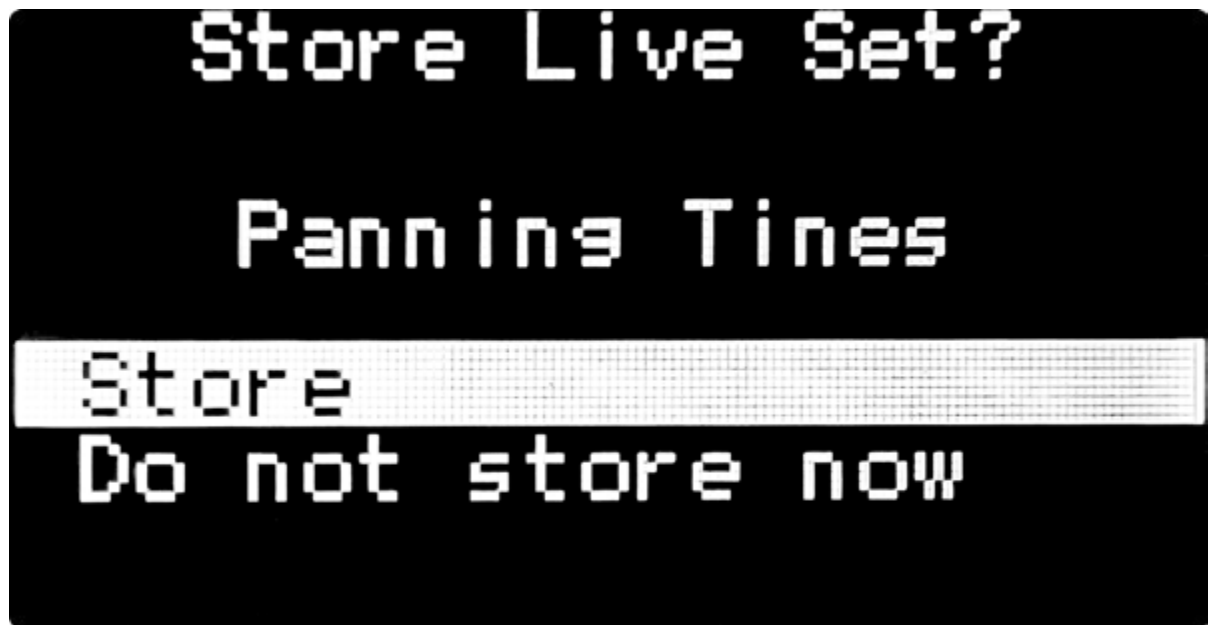
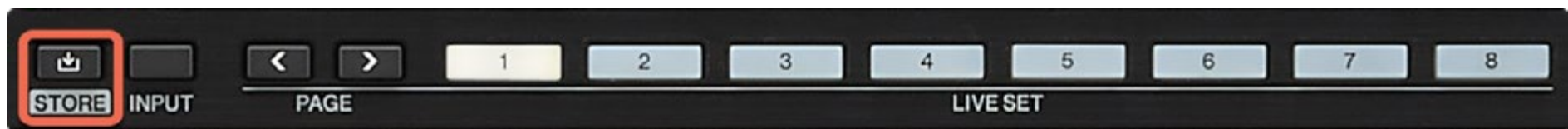
- Press the [SETTINGS] button
- Select “Name” with the Encoder wheel
- Confirm with [ENTER]
- Change the name with the Encoder knob and the Live Set buttons 1..4 or 5, 7 and 8

The display shows a clear assignment of the buttons and their functions.

- Finally, press [ENTER]
- Confirm the confirmation question “Store Live Set” with “Store” by turning the Encoder knob to the left
- Press [ENTER] or [STORE]

This saves the current settings to the memory location selected via the Encoder knob. If you do not select an alternative storage location, the currently selected Live Set will be overwritten.

TIP: The target memory location selected with the Encoder knob is not only displayed, but the associated Live Set can also be played to test and avoid accidental overwriting.



SPLIT/LAYER

Between the Part and Category buttons, there are two buttons for calling up Split/Layer combinations and for selecting the Split Point. The following Presets can be called up via the [SPLIT] button:

- Split/Layer (one Part left, up to two Parts right of the Split Point)
- Split/Layer (up to two Parts left, one Part right of the Split Point)
- Split (up to three Parts, two Split Points)
- Layer (two or three Parts)

The [SPLIT POINT] button calls up the display to select the Split Point. In the case of two Split Points, a second keystroke leads to the next Point. The selection itself can be made by pressing the desired key on the keyboard or by using the Encoder knob.

Voices can be individually assigned to all Parts in the respective Zones.

The Models created by AWM (Organ Flutes) can also be played flexibly on the keyboard of the CK:

- over the entire keyboard
- as a Split: e.g. Left = Lower Manual | Right = Upper Manual (requires two Organ Parts)
- as a Split in combination with AWM2 Parts: Left/Right at choice

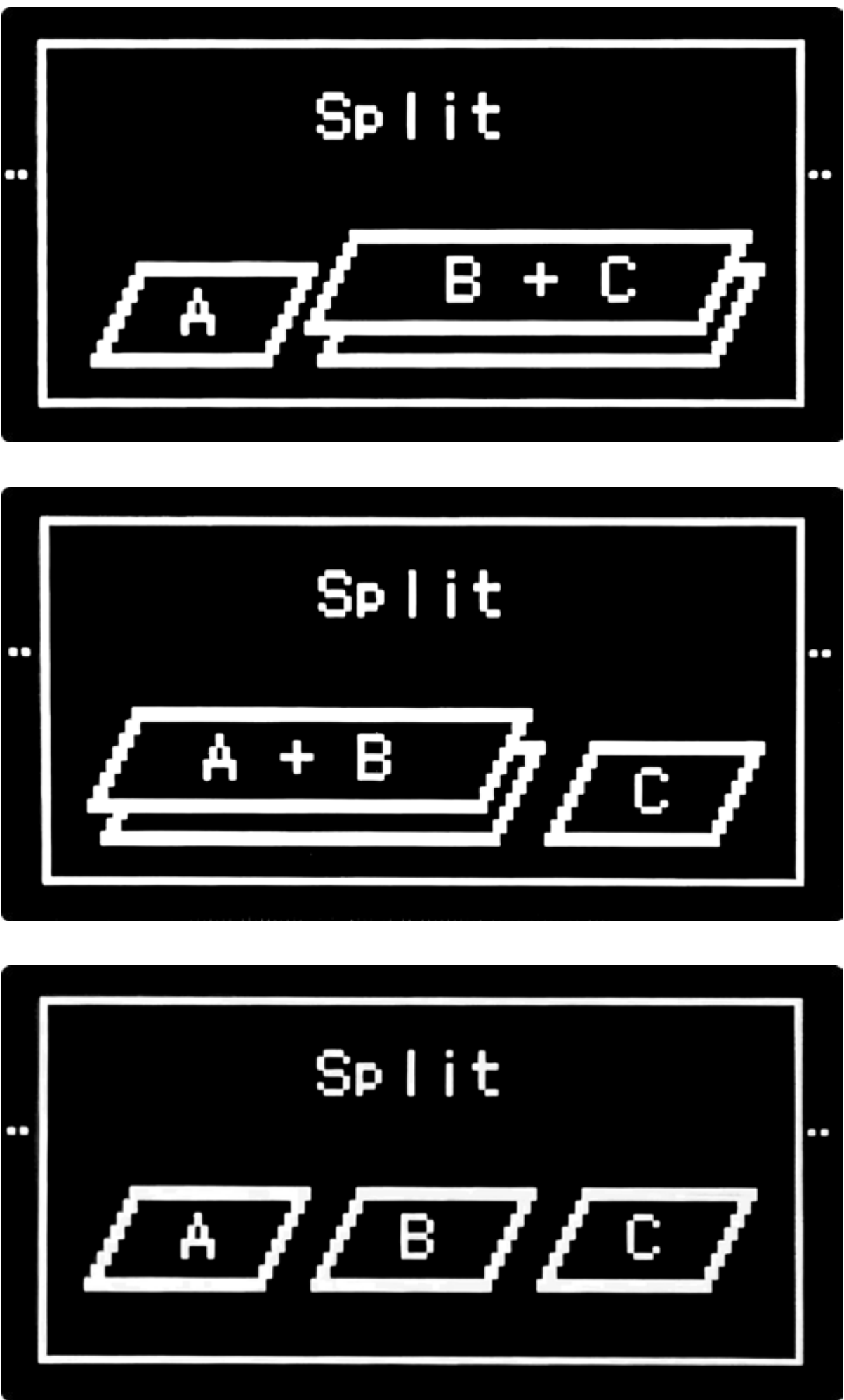
Freely selectable Split/Layer combinations are also possible.

In addition, two-manual operation can be realised with two Organ Parts and a keyboard connected externally via MIDI.

OS Version 2.0, which was released at the same time as the CK76, expands the Split options to include “Advanced Split Mode”. In this mode, the two Split Points can be used to create the three Keyboard Ranges “L”, “M”, and “R” (for “Left”, “Middle”, and “Right”).

For each of the three Parts – A, B, and C – you can then specify whether it should sound across all three Keyboard Ranges (“LMR”), in just one of the Ranges (“L”, “M”, or “R”), or across two adjacent Keyboard Ranges (“LM” or “MR”).

This makes the Layering and Split options significantly more flexible than before.



QUICK START



As already mentioned, it doesn't take a glance at the manual to have fun with the CK right away. Play, push the Drawbars, press, turn... you can hear and see what's happening immediately. Even saving a setting that you might have reached rather accidentally is conceivably easy.

I'll describe how a Split/Layer combination can be created in just a few steps with the following example. If you want to follow it, press the following button combination:

- [ENTER] & [SETTINGS]

This initialises the current Live Set. Part A is active and plays the Voice "CFX Stereo", a moderate Reverb is already set.

- Now press the [ON/OFF] button for Part B

This plays the same Voice at first, due to the initialisation.

- Press the Category select button [Organ]

This calls up the Model "H" with the default Registration > 888000000 <. This Registration sounds too low for a Layer with the piano. After changing it to e.g. > 008762000 < the Layer fits without having to set a Note Shift.

With a simple press of the [SPEED] button, the Rotary Speaker Effect is activated. If necessary, adjust the Volume of the Organ via Part slider 2.

- Press the [SPLIT] button twice
- Press [SPLIT POINT] and, on the keyboard, press A4, for example
- Press [SPLIT POINT] again (to exit the selection)
- Press the [ON/OFF] button of Part C (this will activate the Split mode)
- Press the Category selection button [Brs/Wind] and select "BrassSection4"



The Split/Layer combination is now roughly ready to play. For optimisation, further settings in the menu are possible or even necessary.

- Press [SETTINGS] > “Sound” > “Part C” > “Note Shift”
- Change the value from “0” to “-12”
- Press [EXIT] three times
- Select “Controllers” > “Receive SW” > “Sustain” > “Part C”
- Change the value to “Off”
- Press [SETTINGS] to exit the menu

The brass section will no longer respond to the Sustain Pedal, so that the brass interjections can be played when the piano chords are held. Part B (the Organ) can also be disconnected from the Sustain Pedal in this way if necessary. Personally, I would connect its Volume to a connected Foot Controller (FC7 to “Foot Pedal 2”) in any case. To do so:

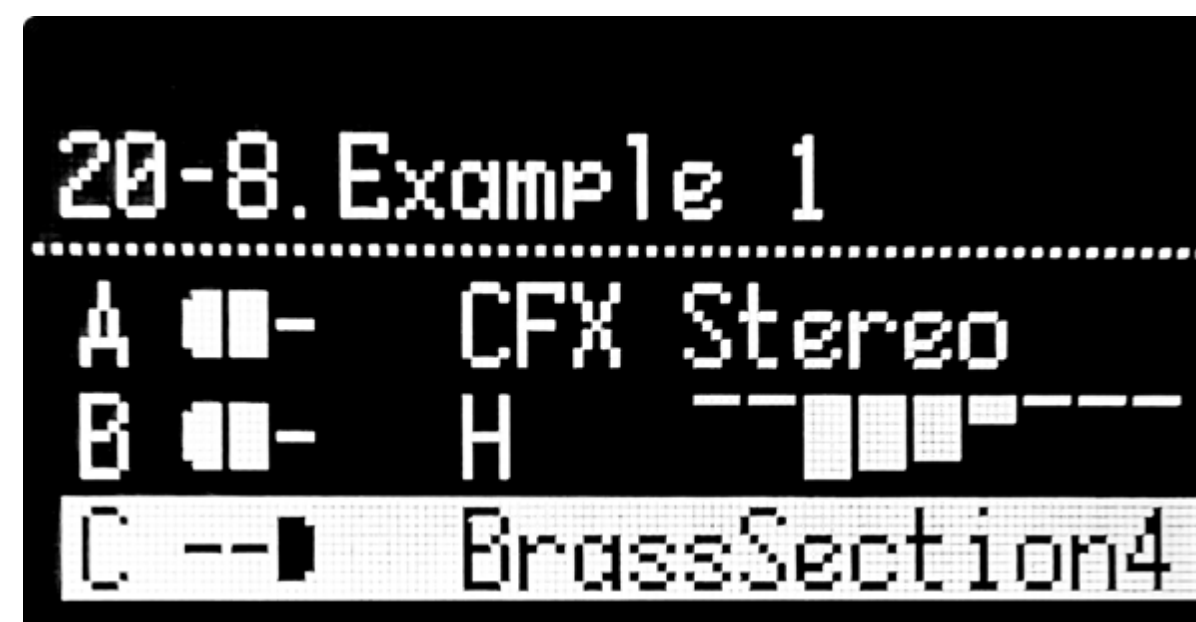
- Press [SETTINGS] > “Controllers” > “Foot Pedal 2” > “Assign”
- Move the slider for Part B
- Press [SETTINGS] to exit the menu

Now a little “cosmetics” could be added in the form of Effects for the brass section. With Part C active:

- Press [UNISON] and [TYPE] twice to select “Sub Harmonics”
- Press [EFFECT 1]
- Turn the knob [TYPE] to “Comp / EQ” | “Compressor”

- Set the values “DEPTH” = 30 and “RATE” = 64
- Press [SETTINGS] > “Name”
- Assign a name and confirm the store process

As a result, we have a Split/Layer combination for piano/organ accompaniment of a song with the possibility of playing assertive unison brass interjections.



This step-by-step description reads as an extensive text - but with a little routine it can be done in one or two minutes.

ATTENTION: The Presets can also be overwritten with User Live Sets!

2ND KEYBOARD

In addition to Layer and Split, there is a special system for connecting external keyboards. For each Part, it can be individually defined whether it is controlled by the internal keyboard, an external keyboard connected via MIDI or by both in parallel.

The setting is made under [SETTINGS] > “Function” > “External Keyboard”.

The following settings are possible for all three Parts:

- “Ext+Int” = the Part can be controlled by the internal and the external keyboard
- “ExtOnly” = the Part is controlled exclusively by the external keyboard
- “Off” = the Part is controlled exclusively by the internal keyboard

For example, two Organ Parts with different Drawbar settings for virtual “Upper” and “Lower” manuals can be played with two manuals.

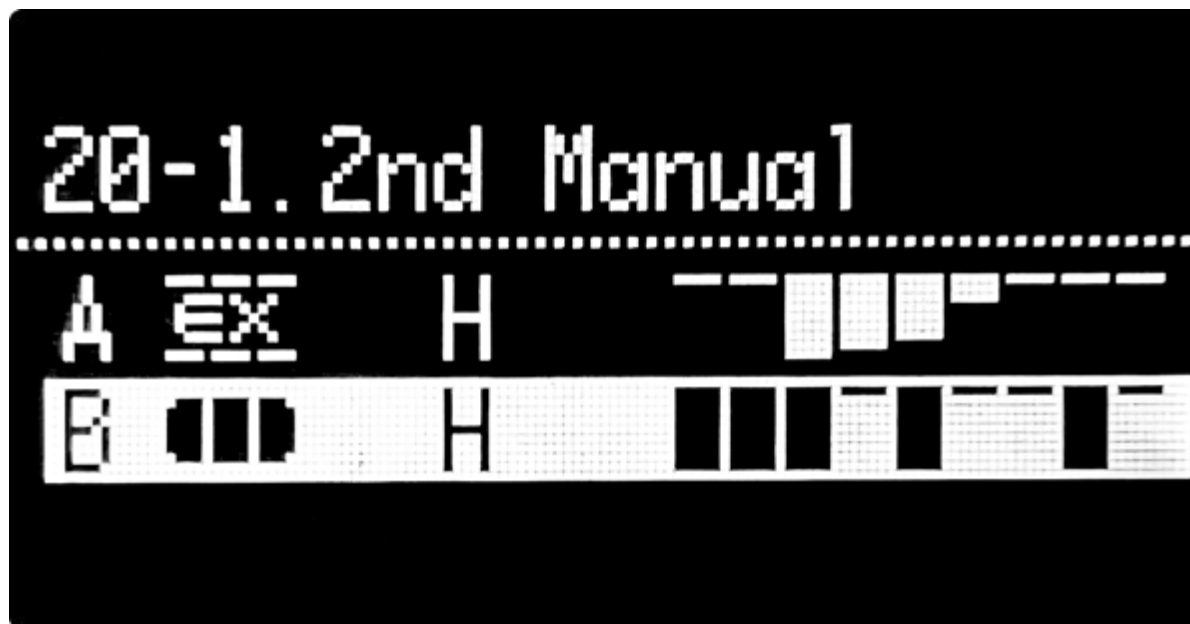
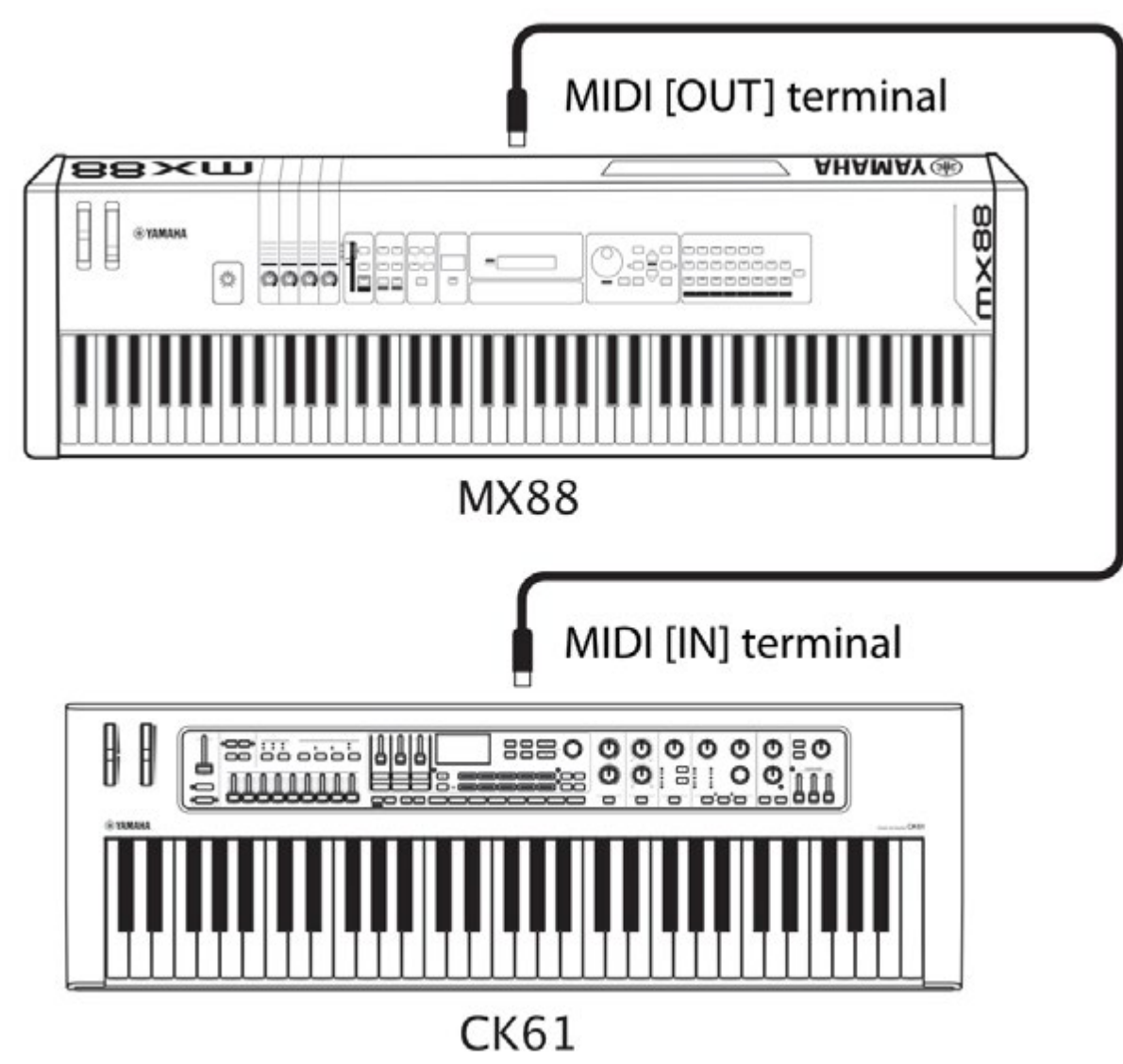
The prerequisites or settings for such an example would be:

- Connect another keyboard to the CK via MIDI or USB (with the aid of suitable software)
- By default, the CK receives directly on all Parts (MIDI Channel 1)
- Press [ENTER] & [SETTINGS] (the Live Set will be initialised)
- Press the “CATEGORY” [ORGAN] and select an appropriate Drawbar setting for the left hand (for example > 008762000 <, as used above)
- Activate the Rotary Speaker Effect with [SPEED]

- Press [ON/OFF] for Part B
- Press CATEGORY [ORGAN] and select an appropriate Drawbar setting for the right hand (for example, > 888080080 <)
- Press [DRIVE | ON/OFF] and select „Rotary A“**
- Press [SETTINGS] > „Function“ > „External Keyboard“ > „Part A“
- Change the default setting „Ext+Int“ to „ExtOnly“
- Press [EXIT] and select „Part B“
- Change the default setting „Ext+Int“ to „Off“
- Adjust the Part Volumes with the corresponding sliders, if necessary
- Name and store the Live Set (if you like)

*** The shortcut to activate the Rotary Speaker Effect via the [SPEED] button only works once if this Effect has not yet been assigned and the button is therefore without function.*

The display shows a symbol for Part A which indicates that it is controlled by an external keyboard.



TIP: If an external keyboard with Drawbars or a Drawbar Controller with freely assignable Controller Numbers is connected separately, the respective Drawbars of the Parts can also be remote-controlled. But: These drawbars are designed so that the value increases toward the bottom. In the case of a general slider controller, the value increases toward the top, which is the opposite of the drawbar’s operating feel. Keep that in mind when you want to control the Drawbars with external Controllers.

SOUND SHAPING

(EFFECTS)

The powerful Effects section of the CK series is roughly divided into two sections. To the right of the Envelope parameters are three Effects that are assigned directly to the Parts - [DRIVE], [EFFECT 1], and [EFFECT 2]. These are available to each Part independently. The second area to the right includes [DELAY], [REVERB], and the “EQUALIZER” and affects the sum of all active Parts. For many applications, for example, a common Reverb with Send Levels will be sufficient to give the Live Set a spatiality.

If this is not the case, [EFFECT 1/2] offers three different Reverb variants (“Hall”, “Room”, “Reverse”), which can be selected and adjusted individually for each Part. The same applies to Delay; here, too, “Digital Delay”, “Analog Delay”, and “Cross Delay” are available for Part-specific applications. Three Equalizer programmes each are also found in the Part Effects, so that a separate intervention in the sound is possible for each Part.

In all the practical examples so far, I have deliberately started from an initialised Live Set. This ensures a common starting point. All Effects are deactivated when initialising a Live Set, with one exception: the (Common) Reverb. With the programme “Hall” and a Send Level of 20, the result is a discreet standard setting that can be adjusted as desired.



Selection, operation, and setting of the Effects is very simple and intuitive. Each Effect has an [ON/OFF] button and one or more knobs or buttons. The first Effect in the sequence, [DRIVE], could be described as a kind of preamplifier. Depending on your needs, it can add Overdrive/Distortion, the Rotary Speaker Effect (A & B), or Compression to the signal. With a One Knob Setting [DEPTH] the Effects can be adjusted in sound and intensity.

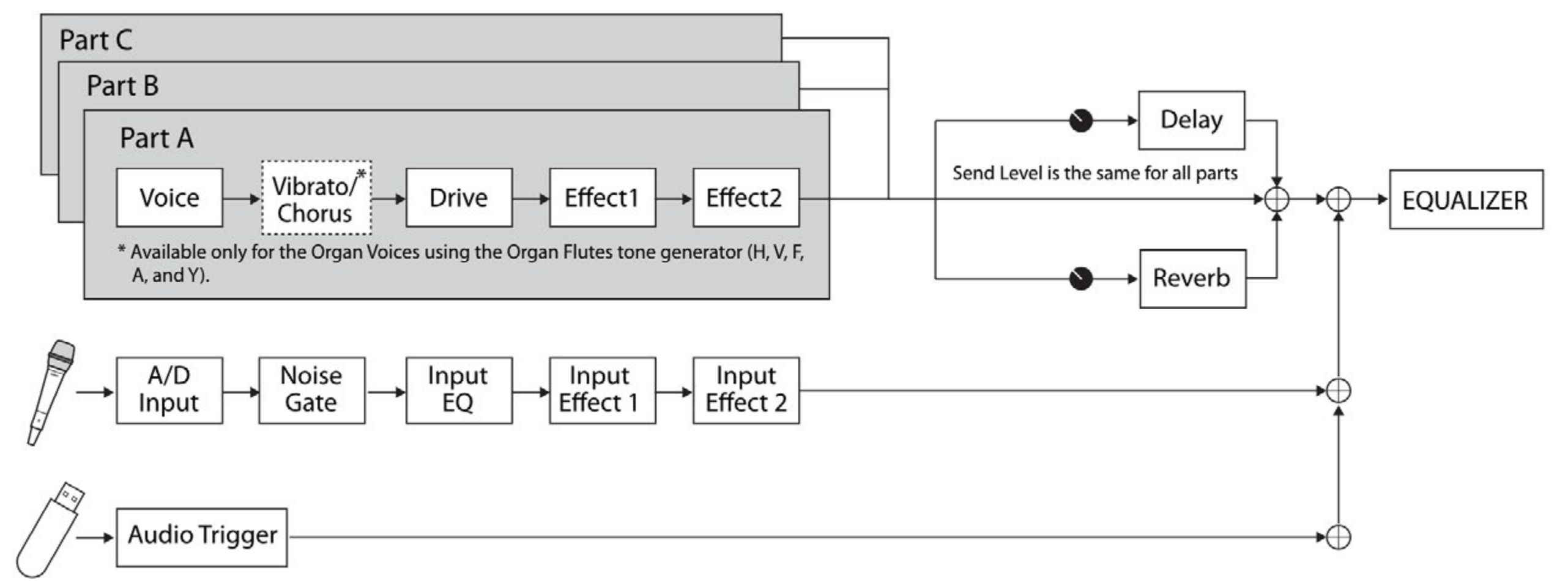
TIP: The buttons [^v] activate the Effect when it is off, saving the need to press the [ON/OFF] button.

Three knobs are available for the [EFFECT 1/2] section. [TYPE] selects the Effect Type, a small LED next to the print indicates the currently selected Effect Category. The [DEPTH] and [RATE] knobs are assigned to certain parameters depending on the Effect. In addition to the display of the set value, the graphic in the display gives a visual impression of its effect.

A total of 36 Insert Effects are available for selection. The manual contains a list of the Effects with detailed descriptions.

Due to the variety of possible Effects in [EFFECT 1/2], there is still a wide range of flexibility, even if [DRIVE] is set to the Rotary Speaker for Organ Voices, for example.

If [EFFECT 1] and [EFFECT 2] are active, the [< >] button can be used to switch between the Effects in order to make adjustments.



FILTER/ENVELOPE

The [FILTER] knobs for setting “CUTOFF” and “RESONANCE” and the [EG] knob for “ATTACK” and “RELEASE” are located to the right of the central control panel and are not assigned to the Effects but to sound shaping. Both parameter pairs are active with an initialised Live Set and affect all Voices, including the AWM (Organ Flutes).

The intensity of the effect was partly designed depending on the Voices. This results in a sensitive control of the parameters that suits each Voice.

With these four knobs, the most important tools for the basic sound shaping of each Voice are available for each Part. Fine-tuning can then be done with the following Effects.

The selected settings can be stored in the Live Set. Based on the stored setting, the [EG / FILTER] knobs can of course also be used effectively in a live performance.



SHORTCUTS, QUICK LINKS & MORE...

The Operating System of the CK series contains various useful button combinations or assignments that speed up the workflow enormously and avoid having to dive into the detailed menu structure in many places. A complete overview can be found in the manual. In the following, I would like to point out some tips for optimised work with the instruments that I consider essential.

First and foremost, a shortcut that has already been used in the practical examples: The following button combination initialises the current Live Set:

- [ENTER] & [SETTINGS]



This provides a starting point for creating a new Live Set “from scratch”.

The Live Set buttons ([1-8]) are assigned to the entries of the respective sub-menus when [SETTINGS] or [MENU] is pressed. The LED in the respective button indicates whether it is assigned to a menu entry. This type of navigation combines turning the Encoder and confirming the entry with [ENTER] at the touch of a button.



- If you want to quickly see the difference:
- Press [MENU]
 - Press the Live Set button [5]

The version of the installed Operating System is displayed.

- Press [MENU] again

You are back in Live Set Play mode. Press [MENU] again and use the [VALUE ^v] buttons or the Encoder wheel for navigation, [ENTER] for selection and compare both ways. The deeper the menu structures are branched out, the faster you are with direct selection using the Live Set buttons.

If you are in a deeper menu level, [EXIT] takes you back to the Live Set step by step via the same path. In many cases, however, it is desirable to return to the Live Set directly after a setting. To do this, it is sufficient to press the respective button again - e.g. [SETTINGS] or [MENU] - in which you are currently working.

Swapping the Part settings including the assigned Voice between the positions A/B/C is done by a long press on two of the Part Select buttons.

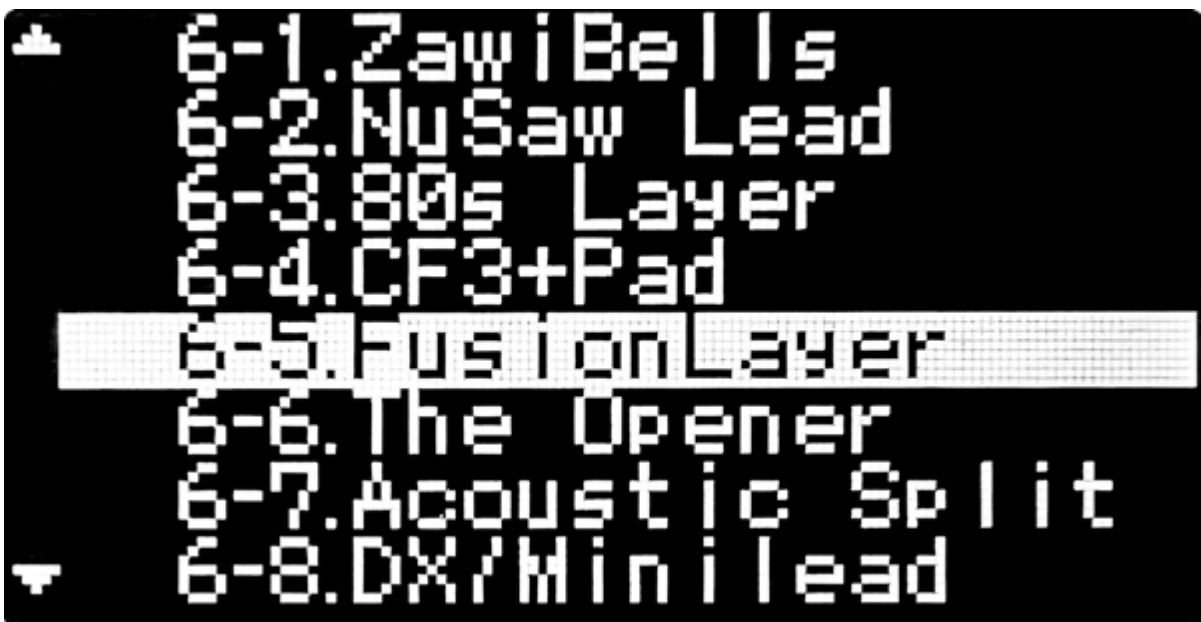


If you want to change the order of Effects 1 and 2 in the signal flow, this can be done quickly with the following shortcut:

- [ENTER] and [< >] (between [EFFECT 1] and [EFFECT 2])



To select the Effects [EFFECT 1] and [EFFECT 2], you can jump directly to the next Effect Category by pressing the [ENTER] button and turning the [TYPE] knob at the same time.



Pressing both the Live Set Page buttons [PAGE <>] displays a list view of the active Page.

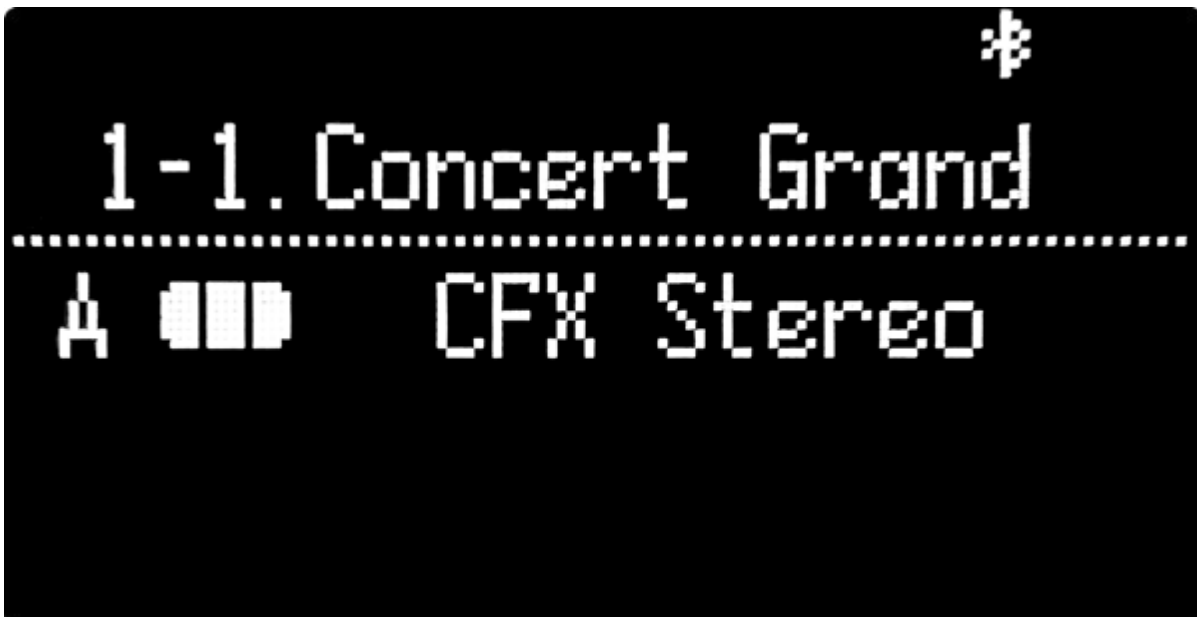
Further shortcuts can be found in the manual in the section “Shortcut operations”.

BLUETOOTH AUDIO

The instruments of the CK series support Bluetooth Audio. This allows an audio signal to be transmitted from a smart device to the instrument via Bluetooth. This feature may not be available when purchasing the instruments in certain countries.

The required pairing between the smart device and the instrument is very simple.

- Open the Bluetooth settings on your smart device
- On the CK, press [MENU] > “Bluetooth” > “Switch” and select “On”
- In the Bluetooth settings of your Smart Device, tap on the entry “CK88”, “CK76”, or “CK61” in the list of devices that are ready for connection
- After successful pairing, the message “Connected” appears
- A symbol in the display indicates the active connection



You can now play back a track from your music library or the audio signal of a compatible music App via the internal or externally connected speakers of the CK.

- Exit the menu via [EXIT]
- From this menu, you can initiate the pairing process manually via “Pairing” if necessary
- Select “Volume” and, if necessary, adjust the Volume accordingly

Bluetooth transmission is a very useful addition if, for example, the Line Input is already occupied by a microphone or the USB interface is needed for software applications and is therefore not available for USB audio.

AUDIO TRIGGER

In addition to USB Audio, Bluetooth Audio, and Line Input, the CK series offers another option for playing audio files, namely directly from a connected USB flash drive. The supported format is “WAV” (44.1 kHz, 16-bit, stereo), other audio formats are not compatible.

Audio Trigger has a very practical range of functions. First of all, the highest or lowest key of the instrument can be assigned the functions Start/Stop/Pause. Furthermore, the volume of the audio file can be adjusted in relation to the Live Set. An example illustrates the procedure.

To activate the function:

- Press [SETTINGS] > “Function” > “Audio Trigger” > “Mode SW” > “On”
- Select [EXIT] > “File” and select the audio file with the Encoder knob
- Confirm the selection with [ENTER] (the name of the file gets ticked ✓)
- Select [EXIT] > “Volume” and adjust the Volume if necessary
- Select [EXIT] > “Key Assign” and set the Trigger Note (“Highest”/”Lowest”)
- Select [EXIT] > “Play Mode” - the following options are available:
 - “One Shot” - restarts the playback of the file with each key press
 - “Play/Stop” - the key acts as a Start and Stop button alternately

“Play/Pause” - the playback is started with one keystroke, pauses with another, and continues from the last playback position when pressed again

All settings are stored with the Live Set. Since larger storage capacities are now available on USB flash drives, a considerable playlist can be compiled and linked to the Live Sets, despite the uncompressed “.WAV files”.



DATA ORGANISATION

Only Live Sets and their data are stored in the instrument’s User Memory. The subordinate Voice level is provided unchangeably from the Preset Memory.

Storing Live Sets was already part of two practical examples. Further possibilities exist via so-called “Jobs”. These can be accessed as follows:

- [MENU] > “Job” > [ENTER]

The “Live Set Manager” contains the following sub-menu items:

- Swap - exchanges the currently active Live Set with another one of your choice (using the Encoder)
- Copy - copies the currently active Live Set to another memory location of your choice (using the Encoder)
- Initialize - initialises the currently active Live Set after asking “Are you sure?”

All actions are confirmed with [ENTER].

The “Part/Effect Manager” applies the familiar “copy/paste” principle to individual sections. This Job is largely self-explanatory. If, for example, you want to copy a certain range from a Preset into a User Live Set, proceed as follows:

- Select the Source Live Set
- [MENU] > “Job” > “Part/Effect Manager” > [ENTER]
- > ”Copy” > [ENTER]
- > Select the range (e.g. Part A) > [ENTER]

A dialogue box confirms the copying process.

Then select the Target Live Set and repeat the described steps with “Paste” instead of “Copy”. In this case, the selection of the Part is the target of the copy action.

The command “Swap Part” in the “Part/Effect Manager” offers three possibilities to swap Parts among each other:

- Part A<->B
- Part B<->C
- Part C<->A

Before carrying out the action, confirm the query “Are you sure?” by selecting with the Encoder knob and [ENTER].

“Swap Effect” in the Part/Effect Manager changes the order of the Effects [EFFECT 1] and [EFFECT 2] in the signal flow, as already described with the shortcuts.

ATTENTION: The Presets from “1-1.” can also be overwritten with the actions performed by the Jobs.

The “Edit Recall” Job in the Job menu restores the last editing status of an unsaved Live Set if another Live Set was selected in between.

The “Menu Initialize” Job could also be called a “partial Factory Reset”. It only resets the settings saved under [MENU] to the factory settings. User data is retained.



FILE MANAGEMENT

The CK series supports four File Types that cover different memory areas:

- “Back Up File” = All User Data (Live Sets) including System Settings
- “Live Set All File” = all Live Sets without System Settings
- “Live Set Page File” = one Live Set Page
- “Live Set Sound File” = a single Live Set

The successful connection of a USB flash drive is shown in the display with a message.

The path [MENU] > “File” > [ENTER] takes you to the File Management.

After selecting one of the File Types, “Save” and “Load” are available. The “File Utility” allows you to rename or delete a File.

In addition, connected flash drives can be formatted via “Format”. This deletes all data on the drive.

The last Job in the sequence, “Factory Reset”, resets the entire instrument to its factory settings. This would also be a way to restore the Live Set Presets to their original state if something was accidentally overwritten there. However, this also overwrites the Banks from 11-1 that are normally intended for User Live Sets. It is therefore advisable to make a Backup beforehand, just to be on the safe side.

CONTROL ASSIGNMENT

The intuitive user interface of the CK series is excellent for detailed preparation of Live Sets without the need to dive into deep menu levels. The arrangement of buttons, selectors, and encoders is designed so that even in a playing situation, the most important elements can be reached quickly and safely. Nevertheless, the focus in a live performance is on playing, so connected controllers and their assignment are a possibly decisive criterion. This has also been solved so elegantly in CK that one can manage completely without “annoying” data lists.

There are two connectors for Foot Controllers (e.g. FC3/4/5, FC7).

The configuration is done from the following menu path:

- [MENU] > “General” > “Foot Pedal” > “Pedal 1/2” > “Pedal Type”

By standard, the following Foot Controllers are set:

- “Pedal 1” > “Pedal Type” = “FC3A (HalfOn)”
- “Pedal 2” > “Pedal Type” = “FC7”

These settings are global and are not stored with the Live Set. However, it is crucial that the Control Assignment is not otherwise globally set. Individual assignments can be stored in each Live Set. Often there is a requirement to control different parameters in different parts of a live performance, such as the Volume of a Part, Effect Depth, Filter, EG, etc.

In general, all knobs and sliders are assignable. Including the sliders for the Footage Positions of the AWM (Organ Flutes) and the Equalizer. The assignment itself is very simple.

Two practical examples:

- 1) Controlling the Part Volume via FC7
 - Connect an FC7 to the “FOOT PEDAL 2” connector
 - Select Live Set 6-4 “CF3+Pad”
 - Press [SETTINGS]
 - Press Live Set button “2” (Controllers)
 - Press Live Set button “4” (Foot Pedal 2)
 - Press Live Set button “1” (Assign) (Display: “[11] Expression”)
 - Move the “VOLUME” slider of Part B (Display: “[27] B: Volume”)
 - Press [SETTINGS] to exit the menu
 - Play and operate the FC7
- 2) Switching the Rotary Speed via FC
 - Connect an FC3A, FC4, or FC5 to the “FOOT PEDAL 1” connector
 - Select the Live Set 2-6| “Rock Rotary”
 - Press [SETTINGS]
 - Press Live Set button “2” (Controllers)
 - Press Live Set button “3” (Foot Pedal 1)
 - Press Live Set button “1” (Assign) (Display: “[64] Sustain”)
 - Press [SPEED] for the Rotary Speaker Effect (Display: “[9] Rotary Slow/Fast”)
 - Press [SETTINGS] to exit the menu
 - Play and press the connected pedal



And do try other assignments.

NOTE: In the Control Assignment menu, each activated control element is automatically assigned to the currently selected controller. For example, it is not possible to adjust the Volume of the Parts or Effect components without the assignment being made at the same time. The last selected assignment remains as soon as the dialogue is exited.

In addition, the display immediately informs about the assigned Controller Number during the assignment. This is helpful if, for example, a parameter is to be influenced or automated from an external controller or a DAW.

MIDI/AUDIO INTERFACE

The integrated MIDI/Audio USB Interface allows bidirectional transmission of MIDI and Audio Data between the instrument and a computer via a single USB cable. The audio connection via USB 2.0 allows conversion- and loss-free recording and playback of a stereo channel. A prerequisite is the installation of the Yamaha Steinberg USB Audio Driver, which is provided via the Yamaha download page.

After successfully installing the driver and starting a DAW such as Cubase, the connected instrument is immediately recognised. The volume of the USB Audio signal back from the computer can be adjusted using the following parameter:

[MENU] > “General” > Audio > “USB Audio Volume”

TIP: This parameter can also be assigned to a hardware controller via Control Assignment.

The CK series also supports the iOS Class Compliance Standard. The audio signal of an iOS device connected via the Apple Camera Connection Kit can also be played back via the instrument’s Main Out. Its Volume is also adjusted with the above-mentioned parameter.

In addition, it is possible to send this signal back to the connected host via USB. In this way, for example, a played backing track could be recorded together with your own playing on the CK in an iOS App. The Volume adjustment provided for this purpose is done via the parameter “USB Audio Loopback”.

[MENU] > “General” > Audio > “USB Audio Loopback”

The CK series is compatible with the iOS App “Rec’n’Share”. Recording with this App would be an ideal use case for the application of the mentioned parameters.

MASTERKEYBOARD

The integrated Masterkeyboard mode helps to integrate the CK series into a more extensive setup. Each Live Set can be programmed with individual Master settings. The mode must first be activated via the following path:

[SETTINGS] > Function > “Master Keyboard” > “Mode SW” > On

From the “Zone Settings” in this Master Keyboard menu, the basic parameters for the four available Zones can be set. The menu item “Advanced Zone SW” unlocks a comprehensive set of parameters that allows, for example, working with MSB/LSB/PRG Changes or the individual assignment of certain controllers for each Zone.



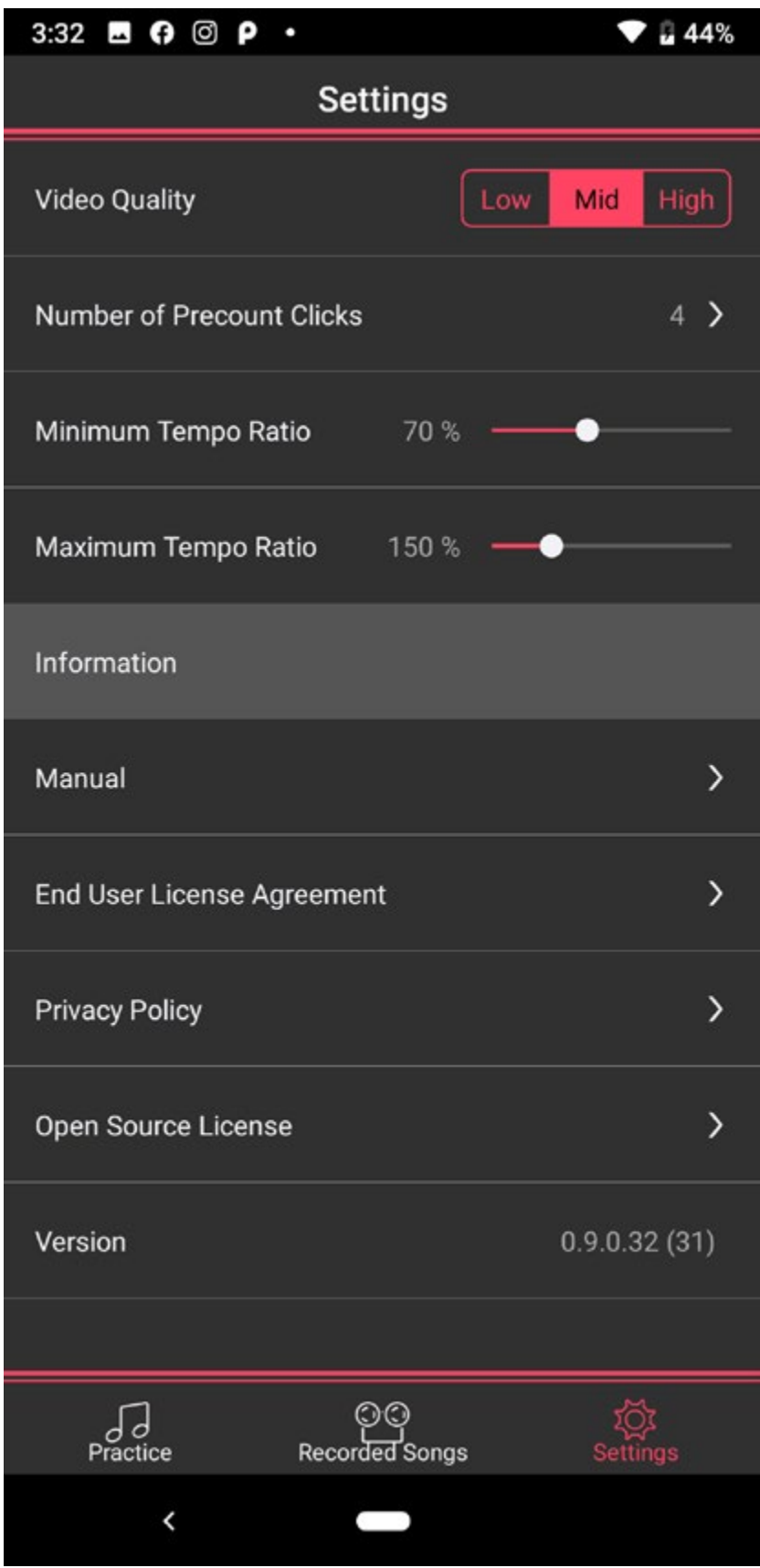
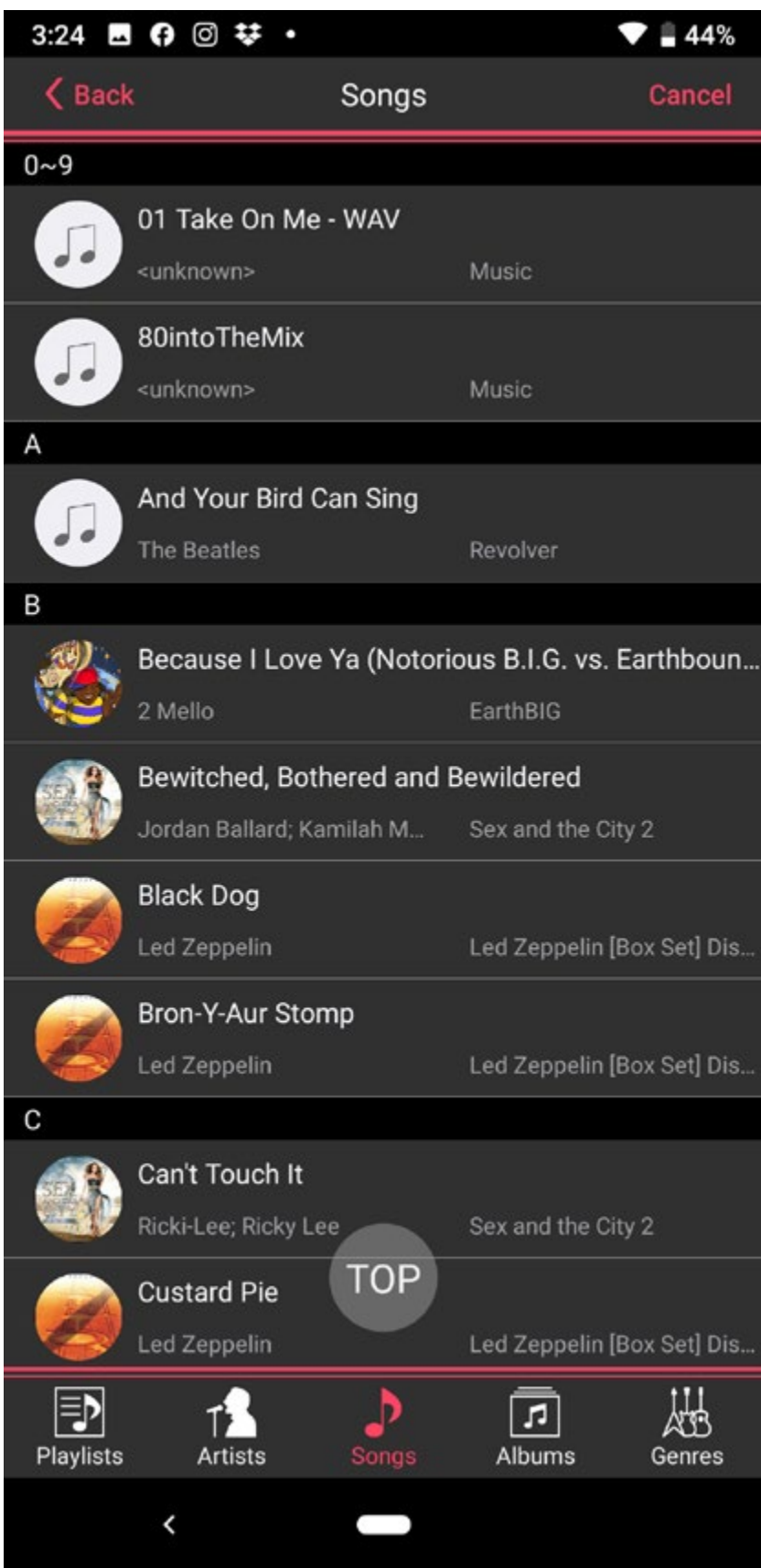
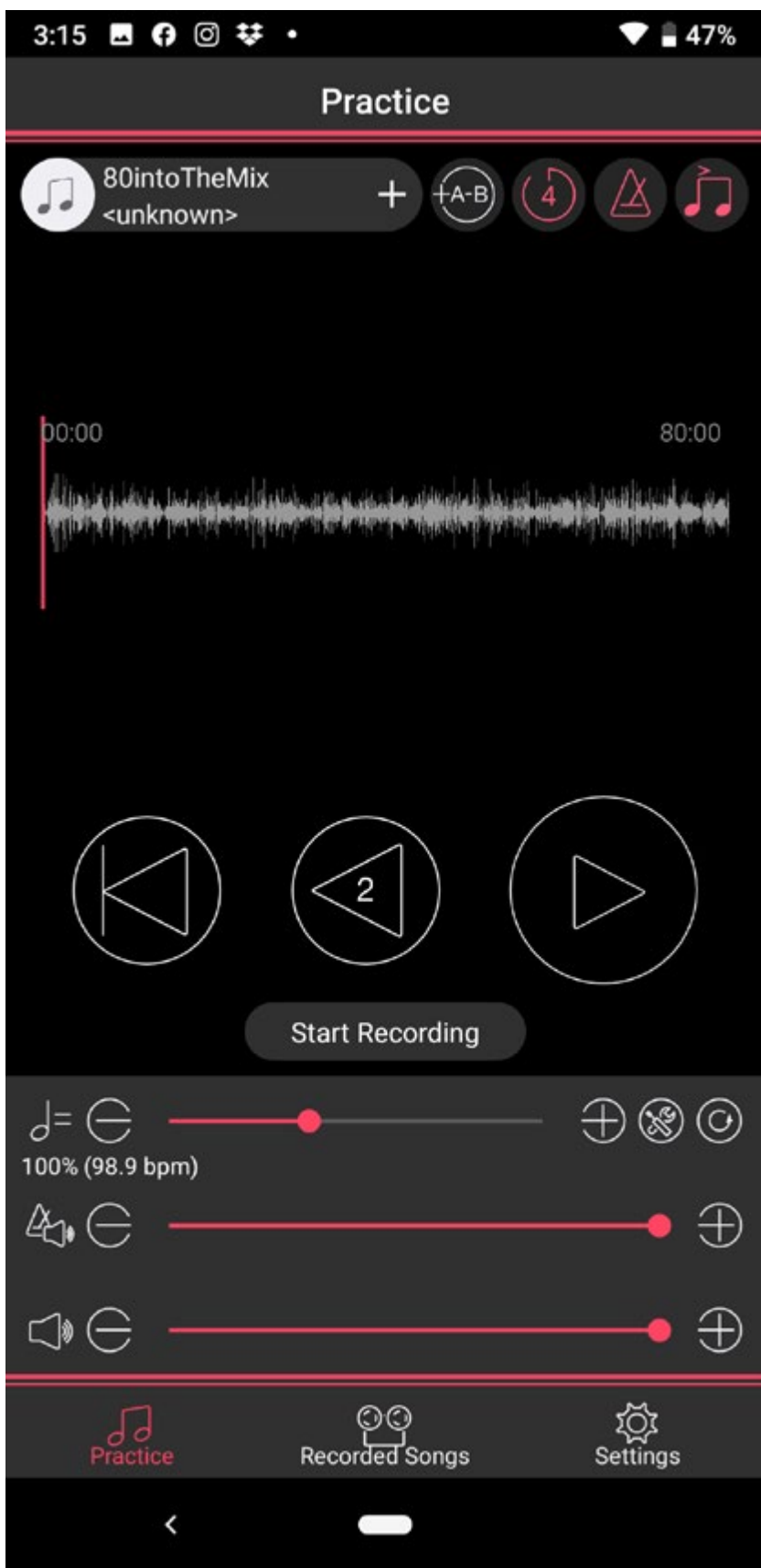
REC‘N‘SHARE

“Rec’n’Share” is a free iOS App from Yamaha that offers two essential features. First, it supports practising on the instrument, both with a Metronome and with the help of a Backing Track. Tracks can be loaded from your music library as well as from other sources. After selecting a Track, the Tempo is analysed and adopted as a 100% setting in the lower area of the App. Subsequently the Tempo can be slowed down for practising, for example, and the audio signal and the optionally active Metronome follow the changes.

The main feature of “Rec’n’Share” is the possibility to record audio and video simultaneously. Both cameras, back and front, are supported, three compression algorithms, which can be selected in the settings under “Video Quality”, manage the bandwidth of the video. “Rec’n’Share” is limited to use with certain Yamaha instruments. The CK is one of them, it is immediately recognised when the instrument is connected via USB.

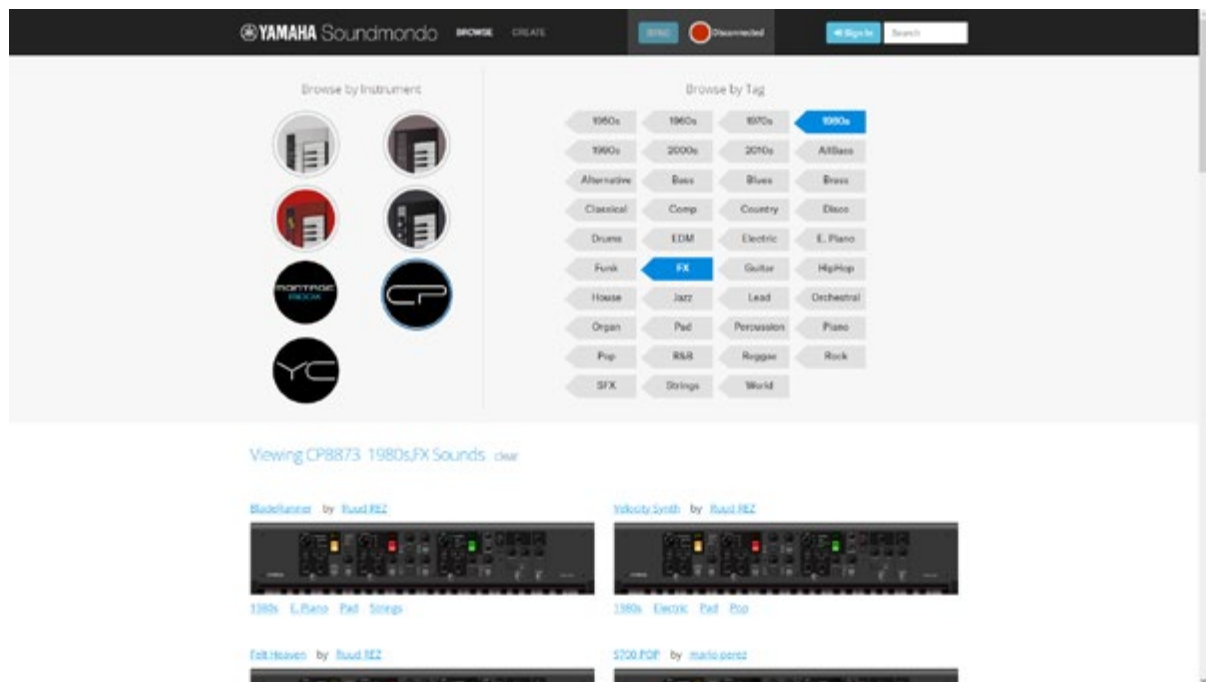
The audio signal is recorded lossless via the USB connection, including a microphone or another source that is connected to the A/D Input. When using a Backing Track, the sum of all signals is recorded together.

Prior to the export of your recording you can use “Rec’n’Share” to trim the start and the end position. This makes it possible to produce a video very quickly with minimal effort, e.g. to publish it on one of the social media platforms. “Rec’n’Share” is also a quick and uncomplicated way to provide students with a lesson or simply an example as a video.



SOUNDMONDO

Soundmondo is a social sound sharing platform that allows you to save, retrieve, and share CK Live Sets with other users. Each saved Live Set can be rated, named, and customised with a picture from your photo library. With the Soundmondo App for iOS, you can upload and download new Live Sets directly with your CK and an iOS device.



SPECIFICATIONS

Item			Details		
			CK88	CK76	CK61
Keyboard	Type		GHS keyboard: matte black keytops	FSB keyboard, initial touch	FSB keyboard, initial touch
	Number of Keys		88	76	61
Tone Generation	Tone Generation Technology		AWM2, AWM (Organ Flutes)		
	Polyphony (max.)		128		
Voices	Number of Live Set Sounds		160 (Preset Live Set Sounds: 96)		
	Number of Voices		367		
	Effects	Insertion Effect	Drive 1 system (5 Types) Effect 2 systems (1: 36 types, 2: 36 types)		
		Delay	4 types		
		Reverb	3 types		
		Master EQ	3-band		
Display	Type		Full Dot LCD (1 28 x 64 dots)		
Connectivity			OUTPUT [UMONO]/[R] (6.3 mm, standard phone jacks, unbalanced) A/D INPUT [UMONO]/[R] (6.3 mm, standard phone jacks) [PHONES] (6.3 mm, standard stereo phone jack) FOOT PEDAL (1]/(2] MIDI [IN]/[OUT] USB (TO HOST)/(TO DEVICE] [DC IN]		
Bluetooth (May not have this functionality depending on the country in which you purchased the product.)	Bluetooth version		4.1		
	Supported profile		A2DP		
	Compatible codec		SBC		
	Wireless output		Bluetooth class 2		
	Maximum communication distance		about 10 m		
	Radio Frequency (Operational Frequency)		2401-2481 MHz		
	Maximum output power {EIRP}		4 dBm		
	Type of modulation		FHSS		
USB Audio Interface	Sampling Frequency		44.1 kHz		
	Channels		In: 2 channels (1 stereo channel) Out: 2 channels (1 stereo channel)		
Sound System	Amplifiers		6 W x 2		
	Speakers		(12 cm x 6 cm) x 2, Switchable ON/OFF		
Power Supply	Power Supply	AC adaptor	PA-1508 or an equivalent recommended by Yamaha (Output: DC 12 V, 1.5 A)		
		Batteries	Eight “AA” size alkaline (LR6) or Ni-MH rechargeable batteries		
	Power Consumption		11 W (when using PA-150B AC adaptor)		
Size/Weight	Dimensions (W x D x H)		1333 x 354 x 148 mm	1117 x 291 x 109 mm	910 x 291 x 109 mm
	Weight		13.1 kg (not including batteries)	6.7 kg (not including batteries)	5.6 kg (not including batteries)
Included Accessories			AC adaptor*, Owner’s Manual *May be included depending on your locale		

PICTURES





SC-DE61



SC-DE76



SC-DE88

CK

