

## SCHIMMEL *twintone*™ FEATURES AT A GLANCE

Function	
Range	88 keys
Control	integrated touchscreen
Activation	center pedal on the piano   hand rail on grand piano
Piano sample	K 230 : high-quality sample of the Schimmel Konzert grand piano K230 K 122 : high-quality sample of the Schimmel Konzert upright piano K 122
Additional sounds	3 x electric piano, 1 x harpsichord, 3 x organ, 2 x strings
Compatibility	strings can be combined with piano sounds
Recording function	integrated recording function, storage on microSD card
Polyphony	max. 256 (mono)
Settings	4 storage places for individual settings, storage security
Energy consumption	display brightness, energy-saving mode (eco-mode)
Scanning	optical sensors underneath the keys
Pedals	Piano: left Una Corda pedal, right Sustaining pedal Grand piano: left Una Corda pedal, middle Sostenuto pedal, right Sustaining pedal
Sound variation	yes
MIDI (out)	compatible with external MIDI-devices via DIN-5 interface
Effects	reverb, chorus, dynamics, equalizer, loudness of combined strings, damper characteristics
Volume control	adjustable volume limitation (e.g. for protecting children from high volume)
Quick and fine tuning	adjustable (cent and hz)
Metronome	timing, tempo, bell, volume
Interfaces	
MIDI-OUT	DIN-5 adapter
USB-Device	MIDI-IN/-OUT
SD-Card	MicroSD-Slot
Headphone terminals (2)	3,5 mm stereo jack
AUX-IN	3,5 mm stereo jack
AUX-OUT	3,5 mm stereo jack
USB	for service purposes only
Accessories	
stereo headphones audio-technica, power supply 100-240 V, MIDI adapter, user manual	

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**SCHIMMEL**  
PIANOS

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PIANOS



*twintone*™

Classic Piano Sound &  
the World of Digital Music

# ACOUSTIC OR SILENT PLAYING MODE

The origin of this useful innovation was the desire to maintain good relations with family, partners and neighbours: the quiet playing system for soundless music-making. Beginners, amateurs and professional pianists alike can practice at all times of the day and night without disturbing anyone, thanks to the Schimmel *twintone*™ sound muting feature. In addition, they can enjoy the extra advantage of being able to play both the classic piano sound and also the integrated digital piano sounds.

## TRADITIONAL PIANO & INTEGRATED DIGITAL PIANO

During normal acoustic piano-playing it is possible to enjoy the full tonal qualities of the instrument with its richness of tonal colouring and dynamic range. The acoustic sound is essential for training your ear and supporting your musicality. Furthermore, you will be able to activate the silent playing feature to play your piano whenever you would like to play just for yourself. In quiet mode the hammerheads are „intercepted“ before they make contact with the strings of the instrument. Optical sensors precisely transform all movements of the keys into MIDI data which is transferred to the integrated *twintone*™ system. This in turn generates the piano sounds so that they can be heard via headphones. As a further benefit, you will be able to control external MIDI compatible devices through *twintone*™.



## CLASSICAL TOUCH AND FEEL

Playing a traditional piano action provides you with the best conditions to develop your touch and perfect it in a way that allows you to fully exploit the dynamics of an acoustic piano. This is to ensure that you will be able to express yourself musically without limitations. Our Schimmel piano actions have been specifically developed and offer you an infinite variety, which allows you to musically articulate your piano playing. In comparison with a conventional digital piano, the Schimmel *twintone*™ system preserves the advantages of a natural playing touch, which in quiet mode remain unchanged.

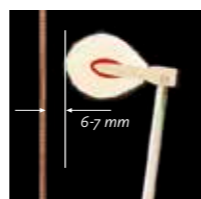
## SCHIMMEL QUIET FUNCTION

With common silent systems in the market, the so called hammer let off must be adjusted to avoid that the action does not block when played with activated stop rail. This causes a slight different touch compared to an instrument without a silent system. (picture a)

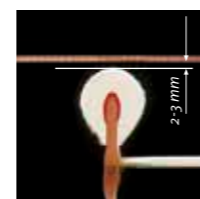
To switch our instruments into quiet-mode, we developed an exceptionally stable stop rail that functions in a quiet and precise way. For our upright pianos, the extreme high stability of the stop rail requires only a minimum of adjustment of the regulation. Because of that the „original“ natural touch remains almost the same as that of our upright pianos with activated stop rail.

With our grand piano twintone system, we have developed a modified grand piano action that works similar to a grand piano action without a twintone system and therefore you do not have to compromise. With activating the twintone function, also the leverages in the action are changing simultaneously. As a result, the touch stays similar to a grand piano without twintone system.

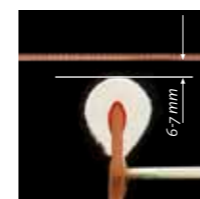
(picture b and c)



picture a )



picture b )



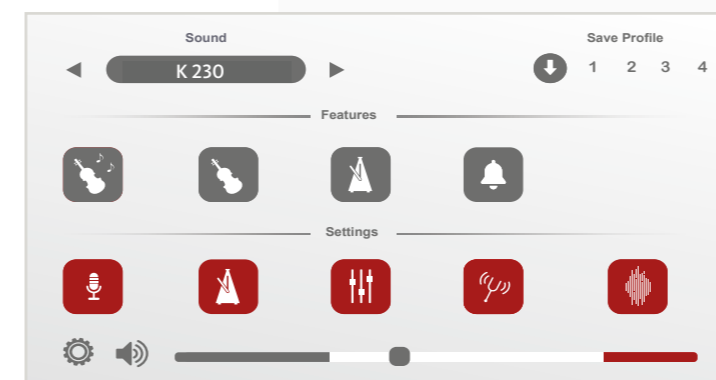
picture c )



The acoustic silencing function is operated by the middle pedal.

## SIMPLE HANDLING – OPTICALLY DISCREET

You control our *twintone*™ system by the comfortable use of a touchscreen, which is situated directly underneath the keys. By pulling out and pushing back you get access or store it neatly underneath the keys after usage. The most important interfaces are situated clearly on the front of the operating unit, further interfaces can be found to the rear. We consciously chose to develop an easy to use interface. You are guided as intuitively as possible through the various functions via touchscreen.



## MADE IN GERMANY

We deliberately commissioned German manufacturers for the production of our quiet playing system in order to ensure a closely integrated relationship during development. Also ensuring manufacturing of the very highest quality.

## SCHIMMEL SAMPLE K 230 AND K 122

Our unique Schimmel piano sound is highly complex with an outstanding richness of tone colours. Furthermore, each of our different models has its own „tonal character“. For our piano samples we have chosen two models which are particularly representative for the wide range of models Schimmel offers: our concert grand piano model K 230 and the concert upright piano model K 122. We recorded those samples in our own concert hall at the factory. Acoustically it has been designed specifically to the requirements for acoustic piano sounds. With hard work, determination and using the latest technology we ensured we achieved a natural piano sound which comes as close as possible to the original.



To activate the silencing function on grand pianos turn the hand rail under the left side of the keyboard from left position counter-clockwise towards the piano player.

## MIDI

A standard MIDI interface provides access to the entire world of music electronics. *twintone*™ enables you to use the piano keyboard as a master keyboard to generate further sounds via external devices like computers, tablets or smartphones, or to record your piano playing and use sheet music software.



## AUDIO

Audio interfaces opens the possibilities of audio technology, e.g. Music Minus One, recording and playing own pieces or for connecting the unit to active speakers.

## INTEGRATED METRONOME

Practising in the *twintone*™ mode does not mean that you have to forgo a metronome as it is already integrated into the system.

## HIGH-QUALITY AUDIO-TECHNICA HEADPHONES

*twintone*™ is supplemented by audio-technica headphones, which fully support the pleasure of listening to our high-quality-samples. We searched for suitable headphones for a long time. The audio-technica headphones we finally selected work particularly well with acoustic piano sounds and reproduce them naturally, they are comfortable to wear and incidentally look stylish as well. We specifically chose closed headphones, because they mute external noises and provide a private and intimate atmosphere whilst playing. The membrane is energised by a strong neodymium magnet, one of the strongest yet known. As a result we have a clear projection and stereoscopic picture with a concise bass and a precise resolution in the treble. The frequency response ranges from 15 to 28.000 Hz, which is far more than the human ear is capable of hearing ensuring no detail is lost. Also, we chose a moderate sound pressure of 99 dB.



## RECORDING ON MICROSD-CARD

You may record your piano playing for playback reasons on a microSD-card via an integrated microSD-card slot and listen to it on headphones or use it for external editing and/or saving.



## ADJUSTING THE SOUND DYNAMICS INDIVIDUALLY

The touch and sound dynamics of our acoustic pianos are ideally matched. Similarly, we also defined the dynamics of our samples. However, in addition *twintone*™ offers the possibility to adjust sound dynamics individually, so that in *twintone*™ mode you may decide on the dynamics according to your particular needs. Simply press „reset“ if you would like to go back to the original settings, which are ideal for most purposes.

## EFFECTS, SOUNDS AND VIOLIN EFFECTS

As beautiful as our piano sound is, sometimes it is exciting to try out other sounds or to listen to a composition with its originally destined tone character. For this reason you may choose between the sounds of an e-piano, a harpsichord, an organ or violins. Besides of that, you may create a violin sound layer which will accompany your piano playing.

## EX-FACTORY OR UPGRADING

You can choose between a factory fitted *twintone*™ or an installation into the new piano you choose at an authorized Schimmel dealer who has been certified for *twintone*™ installation. This gives you the opportunity to select a specific piano without *twintone*™ and have it equipped with *twintone*™ before delivery. For all Schimmel and Wilhelm grand pianos, we only offer the Schimmel twintone on order for new factory deliveries, since the system has to be installed in the production process. For Fridolin grand pianos twintone can not be installed.

