

## **FR-2 - FR-2b**

### **STRUCTURE OF THE V-ACCORDION**

Before we show you how to operate the FR-2 or FR-2b, we briefly wish to explain the configuration of the V-Accordion. The FR-2 or FR-2b is a "Virtual" accordion, which reproduces the sounds of various accordions. Therefore the FR-2 or FR-2b has no real reeds but virtual reeds. Moreover, the FR-2 or FR-2b has 6 additional orchestral sounds, that you can use instead of the traditional accordion sounds.

- **Register:** here you select the treble and bass section of the individual sounds (accordion & orchestra) that you would like to play with. When you go into the function list, you will select the musette detuning, for each register. All functions will be automatically saved.
- **Set:** the individual sections (treble, bass etc.) are put together in one set so that you will immediately have all your settings at hand.  
The FR-2 or FR-2b offers 8 sets
- **User Program:** you can select 8 programmable User Programs. Working with those memories has the advantage that you can recall frequently used settings at the press of a button.
- **Pad function:** the FR-2/FR-2b contains a drum part that can be played in real-time using the 5 pads above the bass registers or using the bass and chord buttons. There are 8 sets of 5 drum and percussion sounds.
- **Function List:** the parameters contained in this list allow you to change some important functions (e.g. bellows sensitivity, Master Tune, Transpose)

### **SWITCHING THE POWER ON AND OFF**

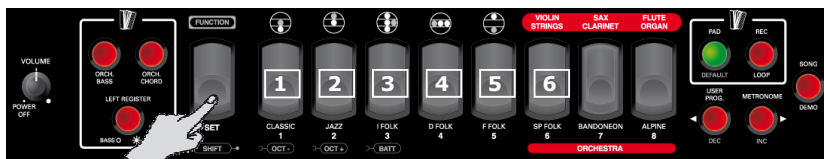
- ▶ Connect the supplied adapter to the FR-2/FR-2b's DC IN socket.
- ▶ Connect the FR-2's DC INLET socket to a wall outlet that meets the specifications (see page 32)
- ▶ Turn down the output volume of the receiving audio device or switch it off.
- ▶ Connect the FR-2/FR-2b's OUTPUT sockets to the external audio device (amplifier, mixing console, etc.).
- ▶ Turn the FR-2/FR-2b's [**VOLUME**] knob from the "POWER OFF" position towards the right socket.
- ▶ Turn up the output volume of the receiving audio device or switch it on.
- ▶ Start playing.
  
- ▶ Turn down the output volume of the receiving audio device or switch it off.
- ▶ Turn the FR-2/FR-2b's [**VOLUME**] knob all the way to the left ("POWER OFF")

## LISTENING TO THE DEMO SONGS

- ▶ Turn the FR-2/FR-2b's **[VOLUME]** knob from the "POWER OFF" position towards the right socket.
- ▶ Press and hold the **[SONG/DEMO]** button. Playback starts automatically with the first demo song and the **[SONG/DEMO]** button flashes (yellow colour).
- ▶ Use the **[USER PROG/DEC]** and **[METRONOME/INC]** buttons to select the demo song you want to listen to.
- ▶ Use the **[VOLUME]** knob to change the volume if it is too loud or too soft.
- ▶ Press the **[SONG/DEMO]** button again to leave demo song mode.

## CHANGING THE TREBLE MODE (ONLY FR-2b)

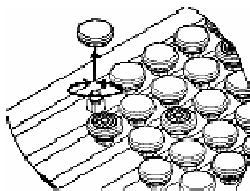
- ▶ Switch off the FR-2b by turning the **[VOLUME]** knob all the way to the left "POWER OFF")
- ▶ Hold down **[SET]** and one of the following registers while switching the FR-2b back on to select the desired setting.



+ one of the registers [1]~[6] to select a Treble mode



TREBLE MODE	
1	C-Griff Europe
2	C-Griff 2
3	B-Griff Bajan
4	B-Griff Fin
5	D-Griff 1
6	D-Griff 2

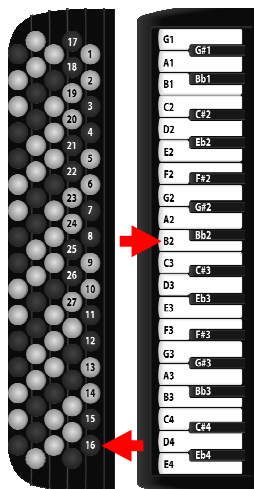


You may have noticed that the Treble buttons are colored white (for notes without alteration) and black (notes with alteration, i.e. #/b). This coloring doesn't change when you select another system. You can, however, unscrew the buttons and install them in the right places so as to make the white and black buttons correspond to the notes being played.

- ▶ Start playing.  
More information about the individual modes can be found in the manual on pages 29/30.

## SETTING THE BELLOWS SENSITIVITY

- ▶ Press and hold the [**SET**] register until it starts flashing.  
The Treble piano/buttons keyboard can now be used to select the desired function.



- ▶ Press the [**B2**] key in the Treble keyboard (FR-2) or the button [**16**] in the Treble button (FR-2b) to select the "Bellows Curve" function.  
The [**SET**] register now flashes rapidly, and the Treble piano/buttons keyboard can once again be used to play notes.
- ▶ Use registers [**1**]~[**8**] to select the desired "Bellows Curve".

BELLOWS CURVE	
1 Fixed Low	5 Light
2 Fixed Med	6 <i>Standard</i>
3 Fixed High	7 Heavy
4 X-Light	8 X-Heavy

More information about the individual bellows curve types can be found in the manual on page 24.

**Remark:** Press the [**PAD/DEFAULT**] button to return to the factory setting of the currently selected parameter.

- ▶ Press the [**SET**] register twice to leave the FR-2/FR-2b's FUNCTION mode.

## PLAYING THE ACCORDION / SELECTING THE ACCORDION SETS

- ▶ Place the FR-2 or FR-2b, press a treble register above the piano/button keyboard and select one (or more) bass registers above the bass buttons. Play on both keyboards and move the bellows as with an acoustic accordion.
- ▶ Select a different register to change the timbre.
- ▶ Adjust the total volume with the [**VOLUME**] knob.
- ▶ Press the [**SET**] register, it starts flashing to signal that you need to press a register [**1**]~[**8**] to select a SET memory.

SET	
1 Classic	5 F-Folk
2 Jazz	6 Sp-Folk
3 I-Folk	7 Bandoneon
4 D-Folk	8 Alpine

- ▶ Press one of the registers [**1**]~[**0**] to select a SET memory.

## SELECTING THE TREBLE AND BASS REGISTERS

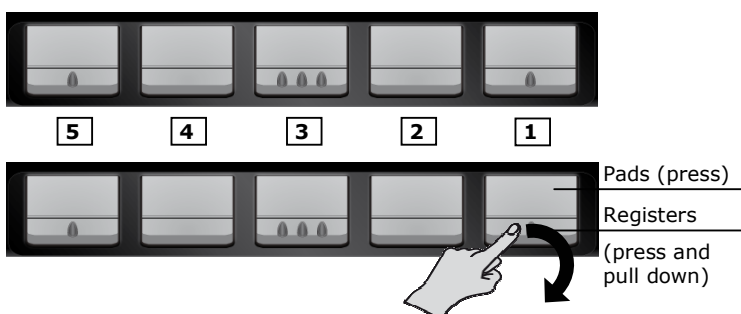
- Press a Treble register above the piano/button keyboard and select one (or more). Each register [1]~[5] allows you to select two registrations. When you select an accordion registration, the corresponding register lights green.
- Select a different register to change the timbre.

TREBLE REGISTERS	
1a Bassoon	4a Musette
1b Bandon	4b Celeste
2a Clarinet	5a Piccolo
2b Oboe	5b Organ
3a Master	
3b Harmon	

TREBLE REGISTERS - SET 5	
1a Bassoon	4a Mr Gus
1b Jazzy	4b Sw Valse
2a Arnold	5a SOS Muset
2b Beguine	5b Av Muset
3a 4 Voix	
3b 4 Voix SW	

- Press a Bass register and select one (or more). Select a different register to change the timbre.

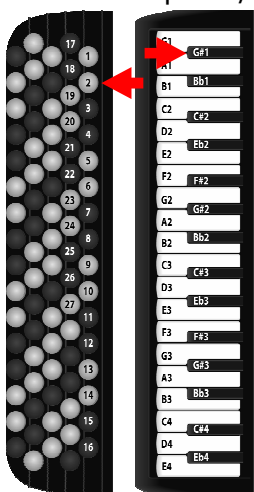
BASS&CHORD REGISTERS	
1	2'
2	4'
3	16'/8'/8-4'/4'/2'
4	8'/4'/2'
5	16'/2'



- Adjust the volume with the [**VOLUME**] knob.

## Selecting a Musette detune:

- Press and hold the [**SET**] register until it starts flashing. The Treble piano/buttons keyboard can now be used to select the desired function.
  - Press the [**G#1**] key in the Treble keyboard (FR-2) or the button [2] in the Treble button (FR-2b) to select the "Musette Detune" function.
- The [**SET**] register now flashes rapidly, and the Treble piano/button keyboard can once again be used to play notes.
- Use registers [1]~[8] to select the suggested "Musette Detune".



MUSETTE DETUNE	
Off	4 D-Folk L
Dry	5 Italian L
1 Classic	German H
F-Folk	6 Alpine
2 American L	Italian H
American H	D-Folk H
3 North Eur	7 French
German L	8 Scottish

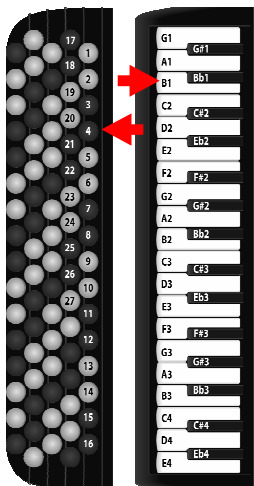
In the Musette Detune, there are more types than can be selected with the 8 registers.

Alternatively, use the [**DEC**] and [**INC**] buttons to select the desired type.

- Press the [**SET**] register twice to leave the FR-2/FR-2b's FUNCTION mode.

## Changing balance between the Treble and Bass sections:

- To change the Treble/Bass&Chord Balance:  
Press and hold the [**SET**] register until it starts flashing.  
The Treble piano/buttons keyboard can now be used to select the desired function.



- Press the [**B1**] key in the Treble keyboard (FR-2) or the button [**4**] in the Treble button (FR-2b) to select the "Treble/Bass&Chord Balance" function.  
The [**SET**] register now flashes rapidly, and the Treble piano/buttons keyboard can once again be used to play notes.
- Use registers [**1**]~[**8**] to select the desired value

TREBLE/BASS&CHORD BALANCE			
1	b	60	5 t 20
2	b	40	6 t 40
3	b	20	7 t 60
4		0	

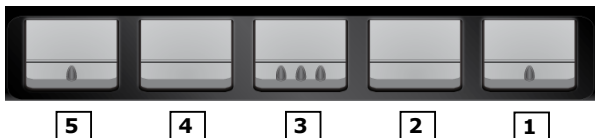
In the Treble/Bass&Chord Balance parameter, there are more values than can be selected with the 8 registers. Alternatively, use the [**DEC**] and [**INC**] buttons to select the desired value.

**Remark:** Press the [**PAD/DEFAULT**] button to return to the factory setting of the currently selected parameter.

- Press the [**SET**] register twice to leave the FR-2/FR-2b's FUNCTION mode.

## CHANGING THE "BASS & CHORD" MODE

- Switch off the FR-2b by turning the [**VOLUME**] knob all the way to the left "POWER OFF")
- Hold and pull down one or two of the following bass registers while switching the FR-2/FR-2b back on to select the desired setting.



one or two of the registers [**1**]~[**5**] to select a Bass & Chord Mode



More information about the individual Bass & Chord mode can be found in the manual on pages 27/28.

BASS & CHORD MODE			
1+2	2 Bs Rows	3	3 Bs rows B – 7th
1	3 Bs rows A – 7th	4	3 Bs rows 5 – 5dim
2	3 Bs rows A – 5dim	5	3 Bs rows Bx – 7th

- Start playing.

**Remark:** At the factory, three concave caps are installed to recognize A#3, C3, E3 bass buttons. Feel free to remove them and to slide them over other buttons if that feels more comfortable. (more information about the reference caps can be found in the manual on page 16)

Slide up to remove



Reference cap

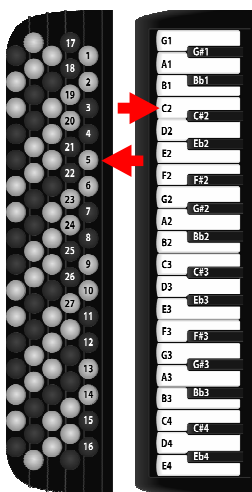
Slide over button

## PLAYING WITH ORCHESTRA SOUNDS IN TREBLE

- Press the register [**6**]~[**8**] above the piano/button keyboard and select one (or more) orchestra sounds. Each register [**6**]~[**8**] allows you to select two sounds. When you select an Orchestra sounds, the corresponding register lights red.

ORCHESTRA REGISTERS	
6a Violin	8a Flute
6b Strings	8b Organ
7a Sax	
7b A-Sax	

- To change the Volume of the treble orchestra sound:  
Press and hold the [**SET**] register until it starts flashing.  
The Treble piano/buttons keyboard can now be used to select the desired function.



- Press the [**C2**] key in the Treble keyboard (FR-2) or the button [**5**] in the Treble button (FR-2b) to select the "Orchestra Level" function.

The [**SET**] register now flashes rapidly, and the Treble piano/buttons keyboard can once again be used to play notes.

- Use registers [**1**]~[**8**] to select the desired value

ORCHESTRA LEVEL	
1 -40	5 +13
2 -27	6 +27
3 -13	7 +40
4 0	

In the Orchestra Level parameter, there are more values than can be selected with the 8 registers.

Alternatively, use the [**DEC**] and [**INC**] buttons to select the desired value.

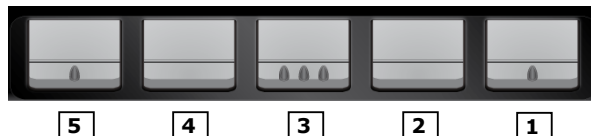
**Remark:** Press the [**PAD/DEFAULT**] button to return to the factory setting of the currently selected parameter.

- Press the [**SET**] register twice to leave the FR-2/FR-2b's FUNCTION mode.

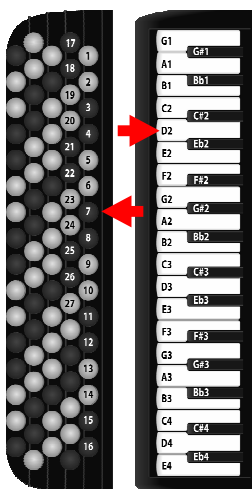
## PLAYING WITH ORCHESTRA BASS SOUNDS

- ▶ Press the [**ORCH BASS**] button (it must light red)  
Check whether the [**LEFT REGISTER**] button is dark. If it is not, press it.
- ▶ Use the Bass registers to select the desired sound

ORCHESTRA BASS REGISTERS	
1 Acoustic	4 Fretless
2 Bowed	5 Tuba Mix
3 Fingered	



- ▶ To change the Volume of the orchestra bass sound:  
Press and hold the [**SET**] register until it starts flashing.  
The Treble piano/buttons keyboard can now be used to select the desired function.



- ▶ Press the [**D2**] key in the Treble keyboard (FR-2) or the button [**7**] in the Treble button (FR-2b) to select the "Orchestra Bass Level" function.

The [**SET**] register now flashes rapidly, and the Treble piano/buttons keyboard can once again be used to play notes.

- ▶ Use registers [**1**]~[**8**] to select the desired value

ORCHESTRA BASS LEVEL	
1 -40	5 +13
2 -27	6 +27
3 -13	7 +40
4 0	

In the Orchestra Bass Level, there are more values than can be selected with the 8 registers.

Alternatively, use the [**DEC**] and [**INC**] buttons to select the desired value.

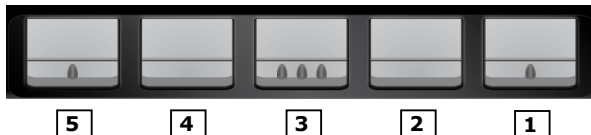
**Remark:** Press the [**PAD/DEFAULT**] button to return to the factory setting of the currently selected parameter.

- ▶ Press the [**SET**] register twice to leave the FR-2/FR-2b's FUNCTION mode.
- ▶ Press the [**ORCH BASS**] button again to return to normal Bass mode.

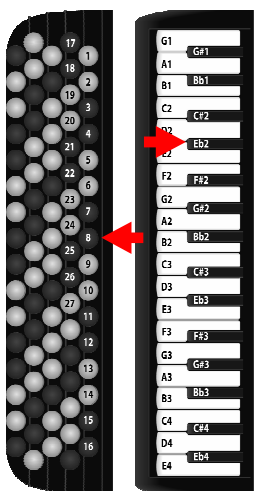
## PLAYING WITH ORCHESTRA CHORD SOUNDS

- ▶ Press the [**ORCH CHORD**] button (it must light red)  
Check whether the [**LEFT REGISTER**] button is light. If it is not, press it.
- ▶ Use the Bass registers to select the desired sound

ORCHESTRA CHORD REGISTERS	
1 St. Strings	4 St. Orch Brass
2 Chorus Organ	5 Choir
3 Steel Guitar	



- ▶ To change the Volume of the orchestra chord sound:  
Press and hold the [**SET**] register until it starts flashing.  
The Treble piano/buttons keyboard can now be used to select the desired function.



- ▶ Press the [**D#2**] key in the Treble keyboard (FR-2) or the button [**8**] in the Treble button (FR-2b) to select the "Orchestra Chord Level" function.  
The [**SET**] register now flashes rapidly, and the Treble piano/buttons keyboard can once again be used to play notes.
- ▶ Use registers [**1**]~[**8**] to select the desired value

ORCHESTRA CHORD LEVEL	
1 -40	5 +13
2 -27	6 +27
3 -13	7 +40
4 0	

In the Orchestra Chord Level, there are more values than can be selected with the 8 registers.  
Alternatively, use the [**DEC**] and [**INC**] buttons to select the desired value.

**Remark:** Press the [**PAD/DEFAULT**] button to return to the factory setting of the currently selected parameter.

- ▶ Press the [**SET**] register twice to leave the FR-2/FR-2b's FUNCTION mode.
- ▶ Press the [**ORCH CHORD**] button again to return to normal chord mode.



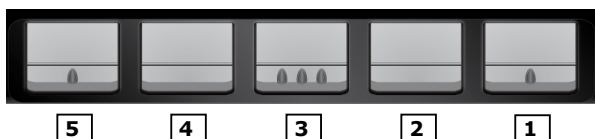
## PLAYING PERCUSSION SOUNDS WITH THE PADS

- ▶ Briefly press the [**PAD**] button (it must light green)
- ▶ Press and hold the [**PAD**] button until it starts flashing.
- ▶ Use Treble register [**1**]~[**8**] to select the desired PAD set

PAD Set 1 - FOLK	PAD Set 2 - JAZZ	PAD Set 3 - TARANTEL	PAD Set 4 - LATIN
1 Snare Ghost	1 Bass Drum	1 Tamorra 3	1 Pandeiro 4
2 Snare/Tambourine	2 Jazz Snare/Pedal HiHat	2 Tamorra 1	2 Pandeiro 5
3 Bass Drum/Hi Hat	3 Ride Cymbal	3 Tamorra 2	3 Pandeiro3/Bass Drum
4 Conga Op	4 Tom Hi	4 Conga Op	4 Hi Bongo
5 Conga Slap	5 Tom Lo	5 Conga Slap	5 Lo Bongo

PAD Set 5 - POP	PAD Set 6 - ORCHESTR	PAD Set 7 - TR-909	PAD Set 8 - ETHNIC
1 Pop Stick	1 Snare Roll	1 Techno Kick	1 Big Gong
2 Snare	2 Concert Snare/OpTrian	2 TR-909 snare/909 Clap	2 Udo Long/Tabla Na
3 Bass Drum	3 Concert BD	3 TR-909 Kick/Tambouri	3 Req Dum/Timl Paila
4 Hi Hat Closed	4 Concert Cymbal	4 909 Tom Op	4 Conga Slide
5 Hi Hat Open	5 Timpani	5 909 Tom Lo	5 Mut Pandeiro

The numbers refer to the pads you need to press. The correspondence is a follows:



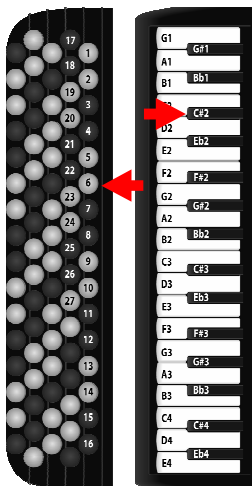
- ▶ Press the pads to play a percussion sound.
- ▶ Press the [**PAD**] button again, it lights green.
- ▶ Press [**PAD**] button again to leave PAD mode.

## PLAYING PERCUSSION SOUNDS WITH THE BASS AND CHORD

- ▶ Briefly press the [**PAD**] button (it must light green)
- ▶ Press and hold the [**PAD**] button until it starts flashing.
- ▶ Use Treble register [**1**]~[**8**] to select the desired PAD set, See the table above.
- ▶ Press and hold Treble register [**1**] until it starts flashing.
- ▶ Start playing bass notes and chords. Each button press also triggers the "3" sound (bass rows) or the "2" sound (chord rows) of the selected PAD set.
- ▶ Press and hold Treble register [**1**] again to remove the drum sounds from the bass and chord buttons without leaving PAD mode.
- ▶ Press the [**PAD**] button again, it lights green.
- ▶ Press the [**PAD**] button again to leave PAD mode.

### Changing the Volume of PAD sounds:

- To change the Volume of the PAD sounds:  
Press and hold the [**SET**] register until it starts flashing.  
The Treble piano/buttons keyboard can now be used to select the desired function.



- Press the [**C#2**] key in the Treble keyboard (FR-2) or the button [**6**] in the Treble button (FR-2b) to select the "PAD sounds level" function.  
The [**SET**] register now flashes rapidly, and the Treble piano/buttons keyboard can once again be used to play notes.
- Use registers to select the desired value

PAD SOUNDS LEVEL	
1 -40	5 +13
2 -27	6 +27
3 -13	7 +40
4 0	

In the PAD sounds Level, there are more values than can be selected with the 8 registers.

Alternatively, use the [**DEC**] and [**INC**] buttons to select the desired value.

**Remark:** Press the [**PAD/DEFAULT**] button to return to the factory setting of the currently selected parameter.

- Press the [**SET**] register twice to leave the FR-2/FR-2b's FUNCTION mode.

### RECALLING AN USER PROGRAM

- Press the [**USER PROG**] button, it lights red. The Treble register of the last User Program you selected flashes red.
- Press the Treble register [**1**]~[**8**] that is assigned to the User Program you want to use.
- Press the [**USER PROG**] button again to leave this mode.

### SAVING THE USER PROGRAM

- Press and hold [**USER PROG**] button until it starts flashing. The Treble register of the last User Program you selected flashes red.
- Press the Treble register [**1**]~[**8**] of the User Program memory where you want to save your settings. Both the selected register and the [**USER PROG**] button light steadily.
- Press the [**USER PROG**] button again to leave this mode.

More information about the User Program function can be found in the manual on page 26.

## PRACTISING WITH THE INTERNAL SONGS

- ▶ Briefly press the [**SONG/DEMO**] button.
- ▶ Press and hold the [**SONG/DEMO**] button until it starts flashing.
- ▶ It flashes and the register assigned to the last song you selected lights.
- ▶ Use Treble register [**1**]~[**8**] to select the desired SONG.

SONGS	
1 Can Can	5 Oh Susanna
2 Cielito Lindo	6 Red River Valley
3 Ninna Nanna	7 Little Brown Jug
4 Carnevale di Venezia	8 Furusato

- ▶ Move the bellows. The first movement of the bellows starts the song after a short while, subsequent moves allow you to control the song's volume (expression). Playback stops at the end of the song. To stop it before the end of the song press the [**SONG/DEMO**] button twice to leave the song function.

## Minus One function:

The real purpose of the FR-2/FR-2b's Song function is to encourage you to play along with the FR-2/FR-2b. To do so, you need to mute (switch off) the song part you want to play yourself.

- ▶ Select the song you want to play (see above).
- ▶ Mute either the Treble or the Bass & Chord part:
  - Muting the Right-hand part: Press and hold any Treble register [**1**]~[**8**]
  - Muting the Left-hand part: Press and hold any Bass register [**1**]~[**5**]
- ▶ Move the bellows. The first movement of the bellows starts the song. This time, the FR-2/FR-2b only plays the part you didn't switch off. You can change register or sounds for the section you are playing.
- ▶ To switch the muted part back on, press and hold any Treble or Bass register.
- ▶ Press the [**SONG/DEMO**] button again to leave the Song function.

## ACTIVATING FACTORY RESET

- ▶ Switch off the FR-2/FR-2b by turning the [**VOLUME**] knob all the way to the left "Power Off".
- ▶ Hold down [**SET**] and Treble register [**8**] while switching the FR-2/FR-2b back on. When all settings have been initialized, all Treble registers briefly flash in red. The FR-2/FR-2b now again sounds and behaves like when you first bought it.



**Remark:** You can reset the FR-2 or FR-2b to its factory settings, which means that your own settings (including the User Programs) are replaced by the settings the FR-2 or FR-2b contained when you first go it. We recommend using this function as sparsely as possible.