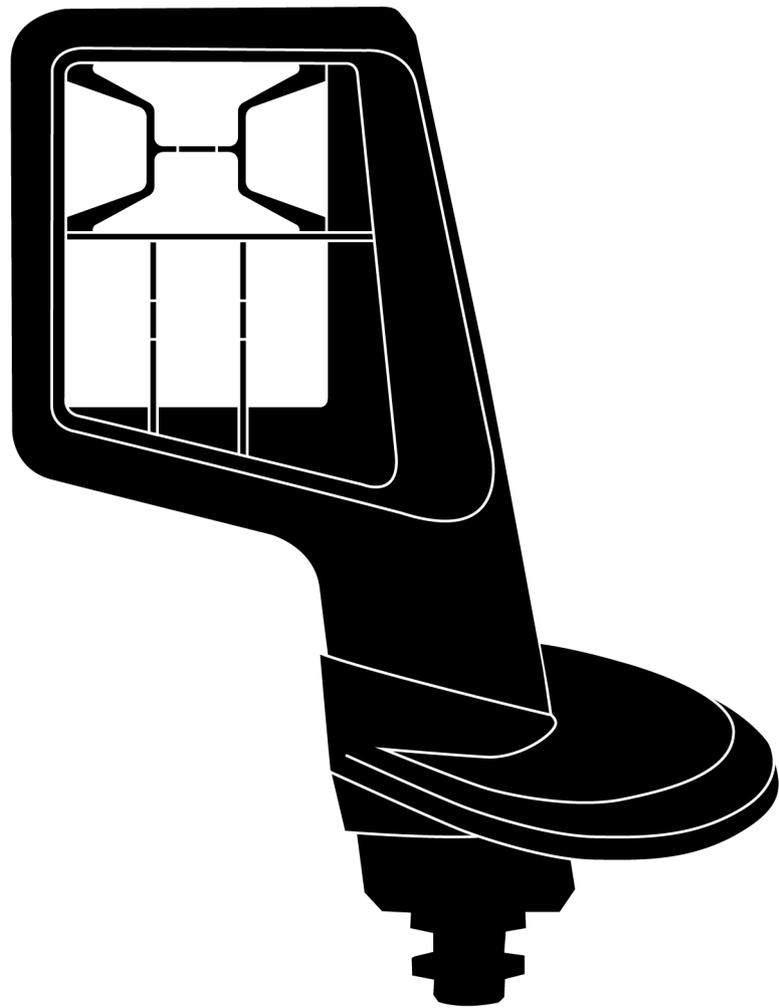# CCI A3

ISOBUS AUX *control*

Operating instructions

CC ISOBUS
team play works.

Contents

About these operating instructions

These operating instructions are intended for persons that are entrusted with the use of the *AUX control* CCI A3. They include all necessary information for safe handling of software and the *AUX control*.

All information provided in the operating instructions relates to the following device configuration:

Software version	2.0
Hardware version	2.0 and higher

These operating instructions introduce you to operation:

- About the CCI A3
- Safety
- Setting up for operation
- Operation
- Troubleshooting

To ensure fault-free operation of your CCI A3, please read through the operating instructions carefully. Keep the operating instructions for future reference.

These operating instructions must be read and understood prior to assembly and commissioning of the CCI A3 to prevent problems during operation. No liability is accepted for damage resulting from failure to observe these operating instructions!

If you need further information or if problems occur that are not covered in enough detail in these operating instructions, then please contact your dealer to obtain the required information.

Glossary

AUX assignment	If, in addition to the terminal and implement the CCI A3 is connected to the ISOBUS, implement functions can be performed using the CCI A3. For this purpose, operating elements of the CCI A3 must have been assigned implement functions. This process is referred to as AUX assignment.
AUX control	AUX controls are typically joysticks or toggle switch strips. An AUX control enables the comfortable and efficient handling of frequently used implement functions.
Button	Operating element in the three operating levels or the settings of the CCI A3, is activated by pressing the touchscreen.
CCI	Competence Center ISOBUS e.V.
Coupling	Female connector on the end of a cable.
Generic pictogram	A pictogram saved on the CCI A3 to which an implement function can be assigned. After the assignment, the pictogram replaces the lettering F1-F10 of the buttons.
Implement	Towed or attached implement. An implement with which a task can be executed.
Implement-specific pictogram	Some implements replace the labelling F1-F10 of the buttons with the pictogram of the implement function. The pictogram originates from the implement and is not part or the software of the CCI A3.
In-cab	Term from the standard ISO 11783. Describes the nine-pole ISOBUS panel connector in the tractor cab.
ISOBUS	ISO 11783 International standard for data transfer between farming implements and devices.
ISOBUS participant	A device that is connected over the ISOBUS and communicates via this system.
Operating screen	The graphical user interface visible on the ISOBUS terminal of the CCI A3. The AUX assignment can be checked here. or The buttons portrayed on the display of the CCI A3.
Plug	Male connector on the end of a cable.
Terminal	ISOBUS terminal
Terminating resistor	If no ISOBUS participant (e.g. an ISOBUS Terminal) is connected to the ISOBUS plug of the CCI A3, a terminating resistor must be plugged into the cable end. This is contained in the scope of delivery of the CCI A3.

|	
Touchscreen	Touch-sensitive display of the CCI A3, via which it is possible to operate the implement functions and adjust the AUX control.
UT	The Universal Terminal is the human machine interface (HMI) of ISOBUS. This is the display and operating device.
	Each implement connected to the ISOBUS logs on to the UT and uploads its Object Pool. You operate the implement via the operating screens of the Object Pool.

About the CCI A3

The CCI A3 is a manufacturer-independent ISOBUS *AUX control* for handling ISOBUS implement functions.
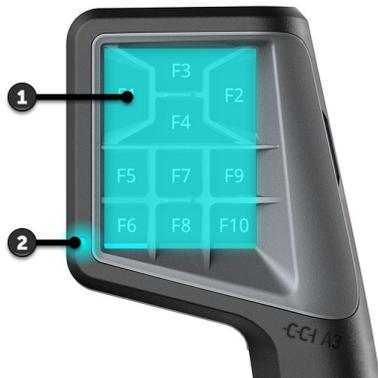
1. *Touchscreen*
2. Light sensor

3. Level pushbutton

The CCI A3 is operated via the *touchscreen*. The display brightness can be adjusted ($\Rightarrow$ Chapter 3.6). **Touchscreen**

The CCI A3 acknowledges the touching of a *button* by vibrating and outputting a touch sound. The vibration intensity and the volume of the touch sound can be adjusted ($\Rightarrow$ Chapter 3.6). **Vibration feedback**

The CCI A3 has three operating levels and up to 10 buttons. One *button* can be assigned one implement function in each operating level ($\Rightarrow$ Chapter 3.7). **Operating levels**

$\rightarrow$ Up to 30 implement functions can be controlled.

Pressing the level pushbutton on the rear side of the casing, switches you to the next operating level ($\Rightarrow$ Chapter 3.4). **Level pushbutton**

Grids

The grids differ in respect of the number and arrangement of buttons. Using the grid you can optimally match the CCI A3 to *implement* and application (⇒ Chapter 3.5). Three different, quickly interchangeable grids are available with 8, 9 or 10 buttons, the separating strips, delimit the buttons from each other in a tactile manner.
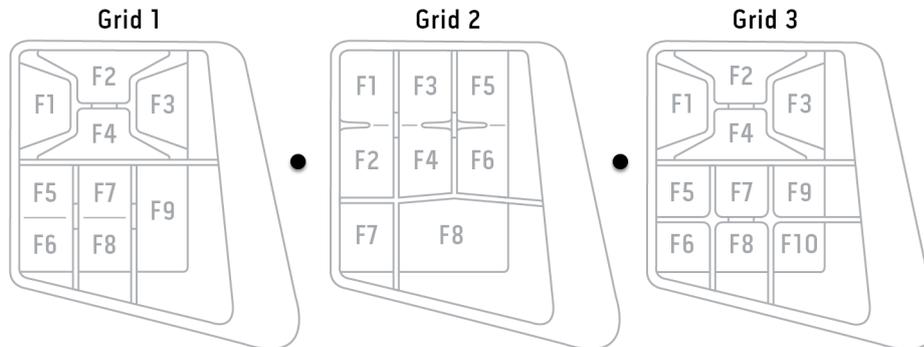
Nameplate

Identify your device based on the information on the nameplate. The nameplate is attached to the cable.
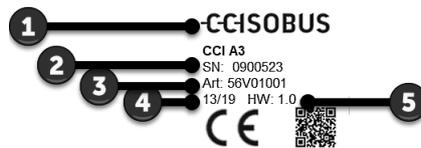
1. Manufacturer
2. Serial number
3. Manufacturer's article number
4. Production date (week/year)
5. Hardware version

NOTE

The layout and content of the nameplate on your *terminal* may differ from that shown in the figure.

The nameplate is attached by the manufacturer.

Operating screen

The CCI A3 is an ISOBUS device and has its own operating screen that is displayed on the terminal. In the operating screen, you can

- Check the AUX assignment (⇒ Chapter 3.8)
- Assign generic pictograms to the buttons of the CCI A3 (⇒ Chapter 3.9)

Dimensions (B x H x D) [mm]	225 x 110 x 50
Casing Type	Glass fibre reinforced polyamide
Fastening	M16 x 1
Operating Temperature [°C]	-15 - +70
Supply voltage [V]	12 VDC or 24VDC
Permitted Range [V]	7.5 VDC - 32VDC
Display [inch]	3.5 TFT
Storage temperature [°C]	-15 - +70
Weight [gr]	740
Protection class	IP65
EMC	ISO 14982
ESD protection	ISO 10605:2008

With each new version, the CCI A3 undergoes the AEF conformity test and is certified for the following AEF ISOBUS functionalities:

UT

Universal Terminal
So that with an ISOBUS terminal, the buttons of the CCI A3 can be assigned implement functions.

AUX-N

Auxiliary Control (new)
For the handling of frequently used implement functions with the CCI A3.

NOTE

Implement and terminal must be connected to the ISOBUS and support AUX-N.

If one of the two components does not support AUX-N, the implement cannot be operated with the CCI A3.

▶ Before commissioning the CCI A3, check whether implement and ISOBUS terminal support AUX-N.

▶ Use the operating instructions of the devices or alternatively the compatibility check of the AEF ISOBUS database ($\Rightarrow$ *https://www.aef-isobus-database.org/*).

1 Safety

These operating instructions contain basic instructions which must be observed during setting up, configuration and operation. As such, it is absolutely essential to read these operating instructions prior to setting-up, configuration and operation.

Not only do the general safety indications listed in this chapter have to be observed but also the special safety indications appearing in other chapters as well.

1.1 Identification of indications in the operating instructions

The warning notes in these operating instructions are specially identified:

WARNING - GENERAL HAZARDS!

This warning symbol identifies general warning notes the non-observance of which poses a danger for life and limb.

▶ Strictly observe the warning notes and take particular care in these cases.

CAUTION!

This caution symbol identifies all warning notes referring to regulations, directives or working procedures which must be observed.

Non-observance can result in damage to or the destruction of the CCI A3, as well as malfunctions.

You can find tips for use in the "Notes":

NOTE

The note symbol highlights important and useful information.

1.2 Intended use

CCI A3 is intended exclusively for use with approved ISOBUS implements and devices in agriculture. Any other installation or use of the CCI A3 is not included within the manufacturer's area of responsibility.

The manufacturer accepts no liability for any resulting personal injury or material damage. Any risks for unintended use are borne solely by the user.

Observance of the operation and maintenance conditions stipulated by the manufacturer also form part of intended use.

The accident prevention regulations in force, as well as other generally recognised safety, industrial, medical and traffic laws must be observed. Unauthorised modifications to the device exclude the manufacturer's liability.

1.3 Safety notes

WARNING - GENERAL HAZARDS!

Please take special care to ensure the following safety instructions are complied with.

Non-compliance could result in malfunctions and consequently danger for any bystanders.

▶ Only switch the CCI A3 off, if
  o the touchscreen does not react or
  o the level button does not function.

▶ Ensure that the *touchscreen* is dry before working with the CCI A3.

▶ Do not operate the CCI A3 whilst wearing gloves.

▶ Ensure the CCI A3 does not exhibit any external damage.

▶ Insert the grid, before you carry out the *AUX assignment*.

▶ Do not change the grid, while you are operating the *implement* with the CCI A3.

BASIC SAFETY INSTRUCTIONS

Please also observe the following safety instructions.

If they are not observed, the CCI A3 could be damaged.

▶ Do not open the casing of the CCI A3. Opening the casing can result in a reduced CCI A3 service life and malfunctions. If the CCI A3 casing is opened, the warranty will become void.

▶ Disconnect the power supply to the CCI A3,
   o during welding work on the tractor or on a towed *implement*,
   o during maintenance on the tractor or on a towed *implement*,
   o when a charger is connected to the battery of the tractor.

▶ Learn how to use the CCI A3 in accordance with regulations.

▶ Keep the CCI A3 and accessories in good condition.

▶ Only use a soft cloth moistened with clean water or a small amount of glass cleaning agent to clean the CCI A3.

▶ Do not operate the *touchscreen* with a sharp-edged or rough object.

▶ Do not exceed the temperature range of the CCI A3.

▶ Keep the light sensor clean.

▶ If the CCI A3 is not fitted in the cab, it should be stored in a dry and clean location. Do not exceed the storage temperature range.

2 Setting up for operation

▶ Start up the CCI A3 in the specified sequence.

2.1 Check the scope of delivery

Check the scope of delivery of your CCI A3 before you start setting up for operation:

- *AUX control*
- 3 grids
- *Terminating resistor*
- Quick guide
- Protective film for the display
- Assembly kit

NOTE

The device purchased by you may include other accessories.

The scope of delivery is defined by the manufacturer. The delivery accessories referred to above must be present in all cases.

▶   Speak to the dealer, if the scope of delivery is not complete.

2.2   Installing

The device holder forms part of the scope of delivery. Install the CCI A3 as follows:
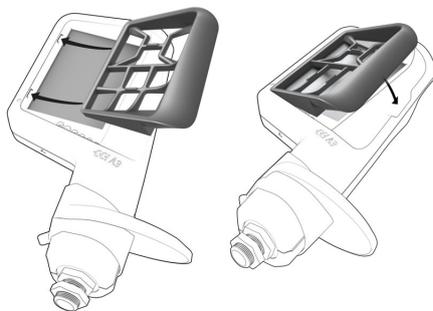

NOTE

The CCI A3 must be correctly installed.

▶   Install the CCI A3 so that it
    o   Is easy to read and operate and
    o   Does not impede access to the tractor controls.

2.3   Inserting the grid

1. Insert the two pegs on the grid into the grooves in the casing of the CCI A3.

2. Fold the grid down.
    → The CCI A3 recognises the grid automatically and adjusts the number and arrangement of buttons.

2.4   Connecting

You connect the CCI A3 with the ISOBUS and supply it with current via the fixed cable on the CCI A3:

▶ Screw the *terminating resistor* to the *in-cab plug* of the cable.

▶ Plug the *in-cab coupling* of the cable into the *in-cab* panel connector of the tractor.
  → The CCI A3 is supplied with power via the *in-cab* panel connector and starts automatically.

You can connect an extra *ISOBUS participant* to the *plug* of the *in-cab* cable, e.g. an ISOBUS terminal:

1. Remove the *terminating resistor* from the *in-cab plug* of the cable.
2. Connect the *ISOBUS participant* to the *in-cab plug* of the cable.

NOTE

Always use the *in-cab plug* on the fixed cable.

An open *in-cab plug* can result in the CCI A3 not being found by other *ISO-BUS participants*.

▶ Plug the *terminating resistor* in at the cable end, if you are not connecting any other *ISOBUS participant*.

2.5 Switching on

The CCI A3 does not have an ON/OFF switch.

→ The CCI A3 starts automatically when it is supplied with power.

Before you can work with the CCI A3, you must answer the confirmation query. The confirmation query is used to determine, whether the *touchscreen* is functioning correctly.
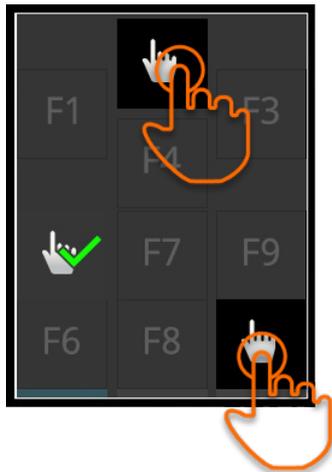
▶ Press on the "Press here" buttons in any order.
  → A green tick is displayed on the buttons.
  → Operating level 1 is displayed after you have pressed all 3 buttons.

2.6 Setting

Ex works, the vibration feedback and touch sounds are set to the maximum value.

Adapt the CCI A3 to match your preferences:

1. Press the level button and maintain it pressed for 3 seconds.
  → The "Settings" *operating screen* is displayed.

2. Press the *button* "Reduce feedback" repeatedly until the desired value is obtained.

3. Press the *button* "Reduce volume" repeatedly until the desired value is obtained.

4. End the process with "Back".

3 Operation

You will learn

- How to operate the implement with the CCI A3,
- How to change between the three operating levels,
- How and when to change the grid,
- How to change the settings,
- How to check the AUX assignment and
- How to replace the F1-F10 labelling of the buttons with generic pictograms.

3.1 Switching on and off

Switch the CCI A3 on as follows:

▶ Screw the *terminating resistor* to the *in-cab plug* of the cable.

▶ Plug the *in-cab coupling* of the cable into the *in-cab* panel connector of the tractor.
  → The CCI A3 is supplied with power via the *in-cab* panel connector and starts automatically.

Switch the CCI A3 off as follows:

▶ Unplug the *in-cab coupling* of the cable from the *in-cab* panel connector of the tractor.
  → The power supply is interrupted and the CCI A3 is switched off.

3.2 Displaying device data

Displayed are:

- Serial number
- Software version number
- Hardware version number

1. Press the level button and maintain it pressed for 3 seconds.
   → The "Settings" *operating screen* is displayed.

2. Press the "System" button.
   → The device data is displayed.

3. Press the "Back" button.
   → The "Settings" *operating screen* is displayed.

4. End the process with "Back".
   → The buttons for implement operation are displayed.

3.3 Implement operation

You operate the *implement* with the buttons on the *touchscreen*.

1. Change to the operating level with the desired implement function.
   → The blue level indicator at the bottom edge of the display indicates which operating level you are in.

2. Press the button to which the implement function is assigned.
   → The CCI A3 vibrates and outputs a touch sound.
   → The implement function is performed.

3.4 Changing the operating level

One *button* can be assigned one implement function in each operating level. Switch to the next operating level by pressing the level pushbutton on the rear side of the casing.

You use the level pushbutton for the *AUX assignment* and for implement operation:

→ During the *AUX assignment*, change the operating level to be able to assign a different implement function to a *button*.
→ During implement operation, change to the operating level with the desired implement function.

▶ Press on the level pushbutton.
   → The blue level indicator at the bottom edge of the display indicates which operating level you are in.

3.5 Changing the grid

If you want to change the number and arrangement of the buttons, insert the appropriate grid.

WARNING - GENERAL HAZARDS!

Do not change the grid during running.

During changeover of the grid, the CCI A3 logs off the ISOBUS and the connection to the *implement* is interrupted.

→ Implement functions are no longer assigned to the buttons.
→ You can no longer operate the *implement* with the CCI A3.
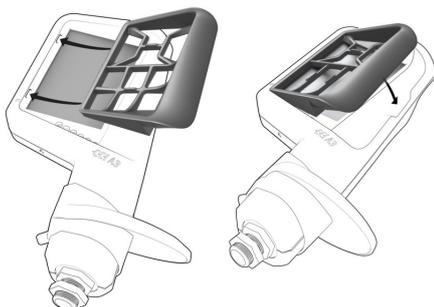
▶ Insert the grid, before you connect the *implement*.

NOTE

Grids are not implement-dependent.

Grids and implements can be freely combined.

---

1. Pull up the grid at the right and pull out.

2. Select another grid.

3. Insert the two pegs on the grid into the grooves in the casing of the CCI A3.

4. Fold the grid down.
   → The CCI A3 logs into the ISOBUS again.

3.6 Changing the settings

▶ Press the level button and maintain it pressed for 3 seconds.
 → The "Settings" *operating screen* is displayed.

You have the following setting options:

Reduce the volume of the touch sound

▶ Press the "Reduce volume" *button*.
 → Each press on the *button* reduces the touch sound until no touch sound is output.

Increasing the volume of the touch sound

▶ Press the "Increase volume" *button*.
 → Each press on the *button* increases the touch sound until the maximum value is reached.

Reducing the vibration feedback

▶ Press the "Reduce feedback" *button*.
 → Each press on the *button* reduces the vibration feedback until no vibration feedback is felt.

Increasing the vibration feedback

▶ Press the "Increase feedback" *button*.
 → Each press on the *button* increases the vibration feedback until the maximum value is reached.

Automatically adjusting the display brightness

The light sensor measures the ambient light and matches the display brightness to the ambient light.

▶ Press the *button* "Automatic display brightness".
 → In high ambient light, e.g. direct sunlight, the display brightness is increased.
 → In dim ambient light, e.g. during night-time operation, the display brightness is reduced.

Reducing display brightness

▶ Press the "Reduce brightness" *button*.

→ Each press on the *button* reduces the display brightness until the minimum value is reached.

Increasing display brightness

▶ Press the "Increase brightness" *button*.

→ Each press on the *button* increases the display brightness until the maximum value is reached.

Protecting operating level 3

Critical implement functions can be protected by the requirement for 2-finger operation to prevent inadvertent triggering.

1. Press the "System" button.

→ The "System" operating screen is displayed.

2. Press the *button* "Critical Control".

→ "Critical Control" is activated.
→ You can only activate level 3 implement functions by simultaneously pressing the button and the level pushbutton simultaneously.

Deleting an implement-specific pictogram

1. Press the "System" button.

→ The "System" operating screen is displayed.

2. Press the *button* "Reset".

→ All implement-specific pictograms saved on the CCI A3 are deleted.
→ The CCI A3 restarts.

! The AUX assignment will not be deleted.

Exiting the settings area

▶ End the process with "Back".

→ Your changes are applied.
→ The buttons for implement operation are displayed.

3.7 Assigning implement functions to buttons

NOTE

You carry out the *AUX assignment* on the *terminal*.

Prior prepa-
ration

▶ Connect the CCI A3, implement and *Terminal* to the ISOBUS.

You can assign 27 (grid 1), 24 (grid 2) or 30 (grid 3) implement functions to the CCI A3:

1. Insert a grid.
2. Assign implement functions to the buttons of the CCI A3 as described in the terminal operating instructions.

NOTE

Changing the grid requires a new *AUX assignment*.

As the grids differ in the number of buttons, an *AUX assignment* must be performed for each grid.

→ If you perform an *AUX assignment* and then change the grid, the *AUX assignment* must be repeated.

NOTE

An *AUX control* requires a UT number "1".

The *AUX control* only connects to a UT if this has logged on to the ISOBUS using the UT number "1".

▶ On the ISOBUS terminal which is to be connected to the CCI A3, set the UT number to "1".

NOTE

The *implement* saves the *AUX assignment*.

The *AUX assignment* must only be performed once.

→ The *AUX assignment* is available again after a restart of the *implement* and the CCI A3.

Not all implements can save the *AUX assignment* for each of the three grids.

→ In this case, after each change of the grid, the *AUX assignment* must be repeated.

NOTE

**Implement-specific pictogram to prevent incorrect operation.**

Some implements replace the labelling F1-F10 of the buttons with the pictogram of the implement function. The *implement* automatically sends the pictogram to the CCI A3.

→   The probability of calling an incorrect implement function is reduced.

3.8   Displaying the AUX assignment

NOTE

You can display the *AUX assignment* on the *terminal*.

You can display which implement functions are assigned to the CCI A3 buttons:
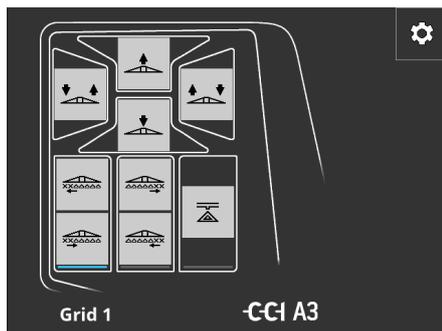
1.   Open the CCI A3 operating screen on the terminal.

2.   On the CCI A3, change to all operating levels.

→ The *AUX assignment* of the active operating level is displayed.

NOTE

The operating screen of the CCI A3 cannot be used to change the AUX assignment.

▶   Perform the *AUX assignment* as described in the terminal's operating instructions.

3.9 Assigning a generic pictogram

NOTE

You assign generic pictograms on the *terminal*.

Prior prepa-
ration

▶ Carry out the *AUX assignment* (⇒ Chapter 3.7).

After AUX assignment has been completed, some implements display the manufacturer-specific pictograms of the implement functions on the buttons on the CCI A3.

→ The precise assignment of button to implement function is ensured.

If the implement does not display any implement function pictograms on the CCI A3, the buttons of the CCI A3 are labelled F1, F2, etc.

▶ Use the generic pictograms provided by the CCI A3.

NOTE

The layout of the operating screens on your terminal may differ from the figures.

The displayed operating screens were recorded on the ISOBUS CCI 1200 terminal. The portrayal on other ISOBUS terminals may differ from the figures.
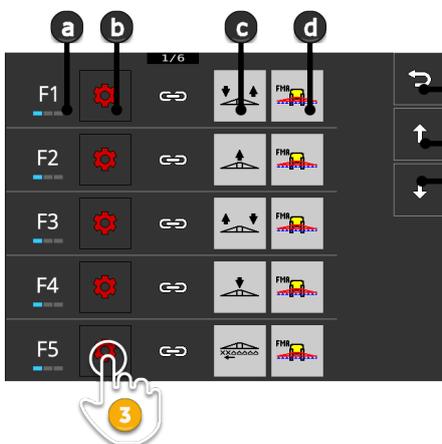
▶ Follow the instructions below and adapt the steps to the display on your terminal.
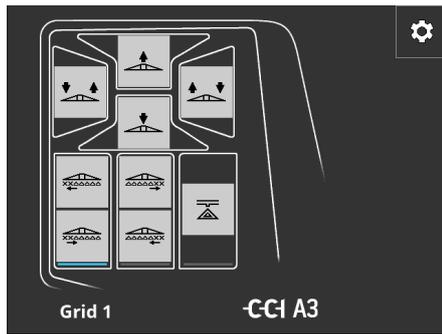
1. Open the operating screen of the CCI A3 on the *terminal*.
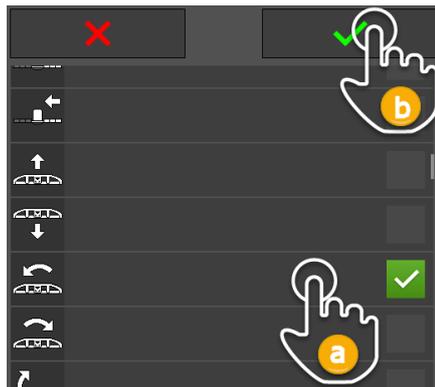   → The *AUX assignment* of the active operating level is displayed.

2. Press the "Settings" button.
   → The "Pictogram Assignment" operating screen is displayed.

a   Button on the CCI A3

b   "Assign" button

c   Assigned implement function

d   Implement

e   "Back" button

f   "Up" button

g   "Down" button

3. Navigate to the operating element using the "Down" / "Up" buttons and press the "Assign" button.
   → A selection list with generic pictograms is displayed.

4. Select (a) a new pictogram and confirm (b) the entry.
   → The "Pictogram Assignment" operating screen is displayed.
   → The new pictogram is displayed on the CCI A3.

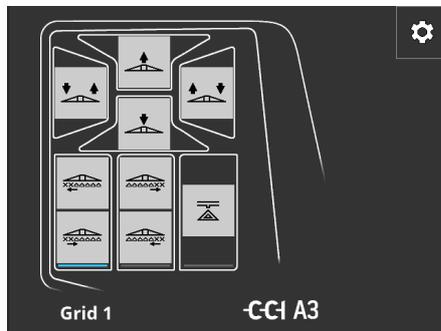5. To assign other pictograms, repeat steps 3 and 4.

6. End the process with "Back".
   → The *AUX assignment* is displayed.

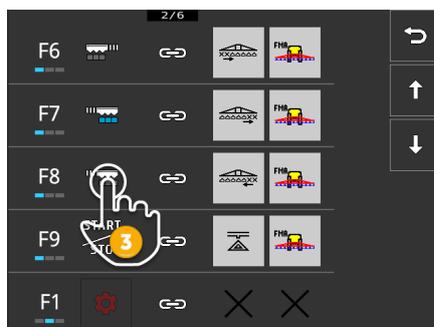## 3.10 Changing a generic pictogram

NOTE

**You change the assignment of the generic pictograms on the *terminal*.**

1. Open the operating screen of the CCI A3 on the *terminal*.
   → The *AUX assignment* of the active operating level is displayed.

2. Press the "Settings" button.
   → The "Pictogram Assignment" operating screen is displayed.

3. Navigate to the operating element using the "Down" / "Up" buttons and press the button with the pictogram that is to be changed.
   → A selection list with generic pictograms is displayed.
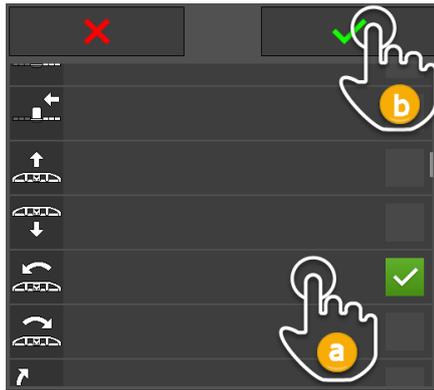
4. Select (a) a new pictogram and confirm (b) the entry.
   → The "Pictogram Assignment" operating screen is displayed.
   → The new pictogram is displayed on the CCI A3.

5. To change more pictograms, repeat steps 3 and 4.

6. End the process with "Back".
   → The *AUX assignment* is displayed.

4 Troubleshooting

CAUTION!

If a technical failure occurs, the work process must be interrupted.

Continuation of working after technical failures can result in damage to the CCI A3 or the *implement*.

1. Stop working.

2. Look for a solution in this chapter of the operating instructions.

3. Contact your dealer if the problem persists.

Forced shut-down

In the event of a fault, the CCI A3 may no longer respond to user inputs.

1. Unplug the *in-cab coupling* of the cable from the *in-cab* panel connector of the tractor.
   → The power supply is interrupted and the CCI A3 is switched off.

2. Plug the *in-cab coupling* into the *in-cab* panel connector of the tractor.
   → The CCI A3 restarts.

Listed below are some of the problems that may occur during use of the CCI A3. A suggestion is made for rectification for each problem.

▶ Try to rectify the problem.

▶ Contact your dealer if you cannot resolve the problem.

Problem	Cause/remedy
The CCI A3 does not switch off, if you switch off the tractor ignition.	The tractor does not switch off the supply to the *in-cab panel connector*. ▶ Unplug the *in-cab coupling* of the cable from the *in-cab panel connector* of the tractor.
The *operating screen* of the CCI A3 is not displayed on the *terminal*.	The *terminal* is switched on and connected to the ISOBUS, however the UT of the terminal is not activated. ▶ Switch the UT of the terminal on. The *terminal* is not connected to the ISOBUS. ▶ Connect the ISOBUS terminal to the ISOBUS. Incorrect configuration of the UT of the terminal. ▶ The UT of the terminal must have UT number 1. The *in-cab plug* on the fixed cable is open. ▶ Plug in the *terminating resistor* included in the scope of delivery.
The operating elements of the CCI A3 are not displayed on the *terminal*. The *AUX assignment* cannot be performed.	The *terminal* and/or the *implement* are not certified according to AUX-N. → If the *implement* does not support AUX-N, it cannot be operated with the CCI A3. → If the terminal does not support AUX-N, the *AUX assignment* cannot be performed. ▶ Check in the AEF database whether the combination of *AUX control*, *terminal* and *implement* you are using is compatible.
The *AUX assignment* could be performed, however the CCI A3 does not display any pictograms of the implement functions. The buttons are labelled with F1, F2, F3, etc.	This is not a mistake. The *implement* can be operated with the CCI A3. → Not all implements display pictograms of the implement functions on the CCI A3. → The buttons trigger the implement functions, that you have assigned to them in the *AUX assignment*. ▶ Use the generic pictograms of the CCI A3 (⇒ Chapter 3.9)

Problem	Cause/remedy
An error message is displayed on the top edge of the display: The CCI A3 does not react to operator inputs.	An internal error has occurred. → Operation of the implement is no longer possible. The CCI A3 must be restarted. ▶ Disconnect the *In-cab Coupling* of the CCI A3 from the ISOBUS and reconnect it after a further 5 seconds.
An error message is displayed on the top edge of the display: The operating elements of the CCI A3 are not displayed on the *terminal*. The *AUX assignment* cannot be performed. The implement cannot be operated.	No UT is logged on to the ISOBUS with UT number "1". Either the ISOBUS terminal is not switched on or the UT of the ISOBUS terminal did not log on to the ISOBUS with UT number "1". ▶ Switch the ISOBUS terminal on. ▶ On the ISOBUS terminal set the UT number to "1".
The buttons of operating level 3 have a blue frame and cannot be used.	The AUX assignment of the operating level 3 is complete and the buttons are displayed. However, pressing a button does not trigger an implement function. "Critical Control" is switched on. ▶ Trigger the implement function by simultaneously pressing the button and the level pushbutton. If you do not want to use the protection of critical implement functions, switch "Critical Control" off: 1. Press the level button and maintain it pressed for 3 seconds. → The "Settings" operating screen is displayed. 2. Press the "System" button. 3. Press the button "Critical Control". → "Critical Control" is switched off. → The buttons of operating level 3 can be operated without pressing the level pushbutton.

5   Disposal

Dispose of a defective or a removed-from-service CCI A3 environmentally and
taking into consideration the local regulations:

▶ Dispose of plastics with normal domestic waste.   **Plastics**

▶ Enter metal into a metal recycling chain.   **Metal**

▶ Deliver the PCBs of the CCI A3 to a specialist recycling company. **PCBs**