

# TELEHAWK

## QUICK START GUIDE

**Teagle**

### HOW TO GET THE BEST FROM YOUR TELEHAWK



#### 1 FITTING THE TELEHAWK ONTO THE LOADER

Make sure the appropriate loader brackets are central and secure. Attach the Telehawk to the loader headstock engaging the locking mechanism to prevent the machine detaching. Carefully crowd up and check there is clearance between the fan motor cover and headstock.

#### 2 ATTACHING POWER CABLE AND HOSES TO THE TELEHANDLER

Connect the curly cable multi-plug into the boom bracket socket. Connect the feed and return hoses on the telehandler making sure the flow direction is correct. When you connect the junction box plug in, you should hear a "click" from the machine which tells you it has power.

#### A FITTING THE CONTROL BOX IN THE CAB & BLUETOOTH

The control box is supplied with a suction cup attachment. This should be fitted in the cab in a suitable position that is convenient to the operator on a smooth, clean dust free surface.

The control box requires a 12v supply and is shipped with a cigarette lighter plug as standard. If the supply cable is connected with the wrong polarity the control box will not switch on.

Plug in the control box in the cab. Once the bluetooth light has stopped flashing and is illuminated bluetooth is paired and you are ready to proceed.

#### B INITIAL START

Set the oil flowing with the loader at low revs and the fan will instantly start to spin. Note: To stop the fan motor, you will need to stop the hydraulic oil flow. Press the "power on" button when the bluetooth is illuminated. Check chute rotation & deflector functions work.



#### Bluetooth®

SEE THE MANUAL FOR MORE INFORMATION ON PAIRING THE DEVICES.

#### C CROSSBEATER / BED FORWARD

Press the working button to start the crossbeater and bed chain. If the bed chain is set to '0' the bed should be stationary. Pressing this button again will stop the bed chain and crossbeater.

Stopping the bed will not stop the fan. To do this the hydraulic flow must be cut off.

#### D BED CHAIN SPEED

The bed chain speed can be varied in the cab by twisting the dial independently of the crossbeater speed. If the bed is rotating when the dial is set to "0", then you need to re-calibrate the bed speed (see page 20 of the manual).

#### E CROSSBEATER BED REVERSE

To reverse the machine at any time press the "crossbeater & bed chain unloading" button.

## LOADING THE MACHINE



- 3** The strings or net should be removed from the bale before spreading, if they are not removed they will wrap around the crossbeater. Putting twine or netwrap through the machine is not recommended as it will eventually be spread on the land, polluting future crops.

*Loading rectangular bales:* If you are using a loader with the driver positioned to the left hand side of the loading boom and loading direct from a stack of bales. We recommend starting from the right hand side of the stack and working to the left. This enables the driver to see the gap between two bales. Once the end of the bale is inside the Telehawk, slightly lift the bale and continue driving until the bale is



in the machine. Do not force the bale into the crossbeater. This will cause the machine to go into unblocking mode once the crossbeater is engaged. Place the chains around the rear of the bale. Cut and remove the strings. For easy removal of the strings place the bale on its side so that the strings are not in contact with the floor.

- 4** *Loading round bales:* To load round bales drive the machine forwards forcing the front lip under the bale. Place the chains around the rear of the bale. Cut the strings / netwrap on the bale as low as possible on the crossbeater side of the bale. Crowd the machine rolling the bale into the bale chamber before removing the strings / netwrap completely.

## SPREADING MATERIAL/PERFORMANCE

- 5** With both parts of the electronics connected via bluetooth, switch the control box ON (making sure the bed chain dial is set to '0'). Start the following sequence:

- 1 Engage the spool valve on the loader.
- 2 Wait for the discharge rotor to rotate at working speed.
- 3 Rotate the chute and adjust the deflector to give the desired spread direction and distance.
- 4 Start the bed chain and cross beater by pressing the bed chain working button. Spreading will now start. Once the straw has cleared, increase the bed speed to the desired feed rate.

It is important to ensure that the fan motor is turning at full working speed before engaging the bed chain. Failure to do so is likely to result in a blockage.



### **6** SQUARE BALES

To maximise performance for square bales, keep the machine horizontal. This allows the first section of bale to rotate freely within the bale chamber. The speed of the bed chain will require adjustment according to the quality of the bale. For brittle wheat bales a higher speed of 6 to 8 can be achieved. For longer damp material a slower speed of 3 to 5 is recommended.

### **7** ROUND BALES

With a round bale in the chamber make sure that the bed chain is inclined at 5°. To maximise performance for round bales, keep the machine slightly angled upwards and keep the bed speed on a setting of approx. 5. This will keep the round bale tumbling. Stripping a thin layer of straw from the bale with each rotation is the most efficient way.



## 8 SPREADING MATERIAL PERFORMANCE

Once you have spread the first part of the bale. We recommend stopping the crossbeater before crowding up the Telehawk to allow the next part of the bale to fall onto the bed chain. Once the straw has fallen onto the bed chain. The machine can be levelled out and the crossbeater and bed chain re-started.

If spreading wet or poor quality bales it may be an advantage to stop both the crossbeater and bed chain before inclining the machine.

Do not force bales against the crossbeater by inclining the body steeply while spreading. This may cause a blockage and could also damage the machine.

If you are moving from one shed to another. We suggest stopping the bed chain by turning the speed to zero and then stopping the crossbeater. Before starting again, make sure the fan is running at normal speed then re-engage the crossbeater. The bed chain speed can then be increased.

The length of material will vary with the condition of the bale. Fresh clean straw will tend to result in a longer material whereas old, slightly damp, weathered or matted bales will tend to have a shorter length. The power consumption will also vary with the material being spread. In general damp or matted straw will require a relatively high power input.



## 9 PRESSURE SWITCH

The machine is fitted with a pressure sensing system to prevent the fan being overloaded. This works automatically by briefly reversing the crossbeater and bed chain, this is called the reversing time. The reversing time can be altered on the control box in the cab. The pressure sensor setting can be altered on the side of the machine. The factory setting is 100 bar (1450psi).

The pressure at which the bed chain reverse movement is triggered can be varied by rotating the knob on the outside of the rotor housing. We recommend a starting setting of 100bar. The higher oil flow rate the higher the pressure setting. With a higher oil flow loader the fan is rotating at a higher speed, hence the fan can spread more straw. With a lower oil flow loader the fan is rotating slower, hence can be more easily blocked. To avoid this the pressure switch needs to be set lower. If the pressure switch is set too high you can easily block the fan. If the pressure switch is too low the machine will keep going into automatic reverse and take a long time to spread the bale (bleed the pressure switch if the machine goes into reverse at random times).

## 10 REVERSE TIME

Generally, the taller the bale in the chamber, the longer the reverse time of the bed chain is required. The reverse time can be increased by pressing the increasing reverse time button and decreased using the decreasing button.

### Guidance table: (LED lights on control box)

Round bales .....	2 lights
Rectangular (quadrants) bales.....	2 or 3 lights
Rectangular (hesston) bales .....	3 at first, 4 lights
.....	2nd half of bale





## 11 BALE RESTRAINT

The position of the bale restraint has an important role on how much of the bale is exposed to the crossbeater. The closer the bale restraint is to the fan motor the more straw will flow through the machine. If you have damp, matted bales we suggest moving the bale restraint away from the fan of the

machine and slowing the bed speed down.

To adjust the bale restraint beam remove the three M12 bolts located in the holes on both sides of the restraint beam, and loosen the fourth bolt in the slot. Reposition the bale restraint beam by aligning the necessary holes, replace and tighten bolts.



## 12 PERFORMANCE

The blow distance is dependant upon a number of factors. The main factor is the flow of oil to the fan motor. The higher the oil flow the greater the blow distance. Keeping the fan motor spinning at high speed is important. Other factors include bed chain speed, bale restraint position, bale condition and material type.

**Higher output** is achieved by a rapid tumbling action of the straw on the bed chain.