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KOSMOS 23.2

RELEASE NOTES

**OUR TECHNOLOGY
YOUR FUTURE**

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1 Introduction

Dear customer,

Through this document we would like to inform you about the modifications and improvements in our newest KOSMOS release (23.2). For more details and information about a certain feature, please do not hesitate to contact the KOSMOS team in order to receive detailed functional documentation about that feature.

2 General overview of KOSMOS 23.2 improvements

A new KOSMOS version means a lot of new functionality and improvements. In this new version, we have added several new features for the buyers and auctioneers. Furthermore, we did the necessary performance updates in order to keep the KOSMOS product stable and reliable.

The administration and configuration part of KOSMOS has been extended with some interesting features! Features which allow us to **personalize** the customer's product more and more. The name and icon which is displayed in your chrome browser tab can now be configured and customized. Besides to this personalisation, KOSMOS is also extended with a new video streaming protocol, the **SRT streaming protocol**.

Other very useful features are the integration of **Presales transactions** (in combination with buyback) and a complete refactor of the **prebid system** which allows buyers to use prebids in all selling modes (also in our rising clocks!). A completely new feature in KOSMOS is the support of **Carriers/Trolleys** (Carriers or trolleys are mainly being used for flower auctions). Carriers and trolleys allow us to group and sell multiple individual lots which are physically stored on the same trolley. Moreover, in order to troubleshoot, the auction has the possibility to use the **renewed bidding info report**, and KOSMOS is also extended with a lot of extra **logging**. Right now, all actions from the auctioneer are being logged in the reporting database. This information will be added to the bidding info report in KOSMOS 24.1. In this way, it is possible to see which actions an auctioneer performed during clock run and validation.

KOSMOS 23.2 has a lot of new features for auctioneers and buyers. Auctioneers will have the possibility to use configured **start clock** functions (quarter functions) in order to start the clock from a desired position. Also, during validation, the requested amounts from buyers can be verified and compared to current minimum take off amounts, and **multitude take off** amounts. Auctioneers have more options to steer the purchased amounts. KOSMOS is also extended with a **fully automatic** validation and restart process. Auctions have the option now to choose whether the validation and the restart of the clock is done manually or automatically.

Next to this, KOSMOS 23.2 is also extended with the **round up/down** feature and the **transaction and upcoming lots widgets** are extended with handy functions. An auctioneer is also able to put a **marker** in the logging, which can be handy in case of troubleshooting.

Especially for the buyers, KOSMOS is extended with extra options related to **winning** and **notification sounds**. In addition to the auctioneer, also the upcoming lots (sorting option) and transaction widget (summary & totalisation) are extended with useful features. Finally, buyers are able now to buy with a **Multi-buy** option. Buyers can use buy amount buttons and even have an audio connection to the auctioneer to provide details how the purchased amount needs to be divided (among sub-buyers).

Please check our release notes below to have more details about this new KOSMOS version.

3 General & Administration

Overview of all improvements in the administration part of KOSMOS

- Browser functionality
- Presales transactions
- Clockface configuration
- Logging
- Bidding information
- Minimum price protection
- Video streaming
- Trolleys
- Prebids

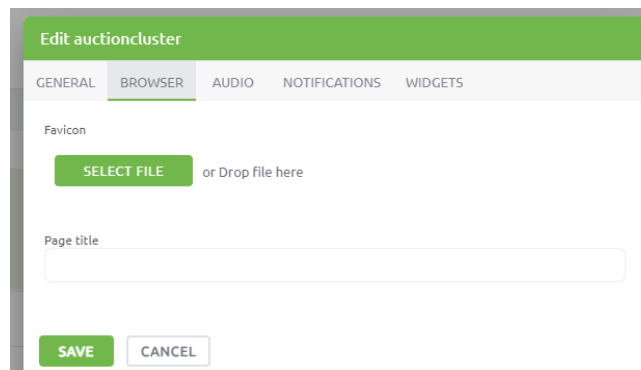
3.1 Browser functionality

In order to make KOSMOS more customizable, we have added the ability to change the “Page title” and the “fav icon” of your own KOSMOS environment.

What do we mean with the page title and the fav icon?



KOSMOS configurators make it possible to define the “Page title” and to select a custom “Fav icon”.

A screenshot of the "Edit auctioncluster" configuration page. The "BROWSER" tab is selected. It shows a "Favicon" section with a "SELECT FILE" button and "or Drop file here" text. Below that is a "Page title" text input field. At the bottom are "SAVE" and "CANCEL" buttons.

3.2 Presales transactions

Where KOSMOS (since version 22.1) supports the use of “Buyback”, KOSMOS 23.2 is now extended with the possibility to use “Presales transactions”. What is the difference between buyback and presales transactions?

Buyback transactions are used for products which are preloaded, meaning reserved amounts:

- Buyers are able to reserve a certain amount of a lot.
- Buyers are still obligated to participate to the sale in order to buy this product.
- The corresponding transaction is only registered when the buyer stops the clock during the sale (so the buyer needs to stop the clock in order to determine the price!).
- Buyers who do not participate to the sale can receive a “penalty” transaction for that reserved amount, the transaction will have a price equal to the max transaction price of that lot. Auctions decide whether they want to charge an additional amount in case of penalty transactions (this is arranged outside KOSMOS).

Presales transactions will have a price which is already defined before the clock sale!

- Here the buyer does not need to participate to the sale (he does not need to stop the clock to determine the price).
- The price is already defined before the sale.
- These presales transactions will be created at the moment that the corresponding lot is sold on the clock. These transactions are shown to all other buyers when the lot is sold.
- Credit limit verification will also take into account these presales transactions, when creating them, and also during the sale (take into account all remaining and pending presales transactions for that buyer).

3.3 Logging

Logging and feedback (reporting) are important features in KOSMOS. KOSMOS 23.2 will provide additional logging (and a corresponding standard report) for everything related to a clock run and its validation.

When the clock is started, all useful information (lot information and current clock parameters) are logged. Besides to this, also all auctioneer actions will be logged in order to know what happened during that clock run (e.g. changing a minimum amount). Not only the auctioneer actions are logged into this new report, but also all buy intentions from all buyers. This report must give the auction the possibility to check and verify the complete validation of a lot.

3.4 Bidding information

In KOSMOS 23.2 the bidding info report is extended with additional information. This report is available for the auction staff and can be requested in the transaction monitor module. For each transaction which has been made, a report is available in the transaction monitor.

In the screenshot below you can see an example of the transaction monitor which contains some transactions. For each transaction, there is an option to request the bidding info report.

The screenshot shows the 'Transaction monitor' interface. At the top, there is a green header with the user name 'Joeri Hofman (Auction Cluster)' and the language 'English'. Below the header is a 'Filter transactions' section with dropdown menus for 'Catalogs' (Concarneau Côtière) and 'Date' (Tuesday, 6 February 2024). There are four buttons: 'FILTER TRANSACTIONS', 'PRINT SELECTED TRANSACTIONS', 'RESEND SELECTED TRANSACTIONS', and 'SEND NOTIFICATION'. Below the filters is a table with columns: 'Ing port', 'vessel', 'batch', 'CCI code', 'Species', 'size', 'Presentation', 'Quality', '#bins', 'Type of container', 'Gross weight', 'NetWeight', 'Price', and 'Buyer'. The table contains six rows of transaction data. In the rightmost column, there is a small green icon with a white document symbol, which is highlighted by a red box in the original image. At the bottom of the table, there is a 'Create Filter' button and a pagination bar showing '6 items' and a page indicator '1'.

Ing port	vessel	batch	CCI code	Species	size	Presentation	Quality	#bins	Type of container	Gross weight	NetWeight	Price	Buyer
ARNEAU	0004 RESERVE+CC	6,002	24	ANCHOVY	40	140	E	4	B27	3,7	4	8,999,998,74	2387 CABOCH
ARNEAU	0214 NAMOUIC	3,004	52	MONKFISH	20	120	B	4	B	2,55	2,49	24,02	1002 DAVID
ARNEAU	0214 NAMOUIC	3,004	24	ANCHOVY	40	140	E	4	XXX	2,55	2,55	23,86	996 LGZBIS
ARNEAU	1096 ESPOIR DU MARIN II	5,004	74	COD	40	120	E	4	XXX	2,55	2,49	12,08	493 FURSURG
ARNEAU	1096 ESPOIR DU MARIN II	5,005	24	ANCHOVY	40	140	E	4	XXX	2,55	2,55	20,02	503 FROM NINT
ARNEAU	0214 NAMOUIC	3,001	21	ANCHOVY	10	110	E	1	XXX	2,55	2,55	20,92	500 INVENDU

After clicking on the report button, a separate tab with the report is opened. Below you will find an example of the bidding info report. The report contains the following information:

- Sales date
- Sales catalog
- Lot number
- Start price
- Timestamp of clock start
- Clock start GUID (for development purposes)
- Winning buyer
- Transaction price
- Bidding buyers: for rising clock modes, the buyer information is interesting in order to know how the transaction price has been established. In KOSMOS 24.1, the buyer information will be further extended with all buy intentions made by buyers (this will be in combination with the multi-transaction mode in the Dutch clock).

The screenshot shows a web application interface for reporting. At the top, there is a green 'Reporting' header. Below it is a browser toolbar with navigation and utility icons. The main content area is titled 'CCIMBO Quimper' and 'Côte d'Armor'. It features a table with the following data:

Vente du Tuesday, February 6, 2024	
Catalogue	Concarneau Côtière
n° lot	3001
Prix départ	21.42
Démarrage	06/02/2024 20:06:55
Guid	7338efc2-5d1b-462b-a722-85d8ac0930df
Acheteur gagnant	500, 500 INVENDU
Prix transaction	20.92

Below the table, there is a 'Prix: 20.92' label and a table with the following columns: Utilisateur, Acheteur, Offre, Départ, arrêt, Status.

Utilisateur	Acheteur	Offre	Départ	arrêt	Status
j@aucxis.com	500 INVENDU	Oui	0	0	Ok

Because of the amount of data which is stored in the reporting database, this report can only be requested before the cleanup of the auction is executed. After cleanup, this information is no longer available.

3.5 Minimum price protection

KOSMOS can be configured in such a way that it is possible to work with minimum prices (up to 4 different minimum prices). Besides to these minimum prices, we are also able to use the "Minimum price protection" mechanism in KOSMOS 23.2. This mechanism will automatically calculate the clock "Stop price" and this price will act as a minimum price. The clock will also stop on this calculated stop price.

This stop price is calculated based on the previous/last transaction price (of that lot) and will use a predefined percentage (settings/configuration) of this transaction price.

Example #1

- Minimum price on a lot is 0.20.
- Lowest stop clock price percentage (Price protection) is set to 75 (%).
- If there are no buyers who are stopping the clock, the clock will stop on 0.20 minimum price.
- If a buyer stops the clock and buys the product on 0.40, the next time the clock will stop, is on 75% of 0.40 = 0.30 (the calculated stop price is higher than the minimum price of the lot which is 0.20).
- The new calculated stop/minimum price is taken into account because it has the highest value.

Example #2

- Minimum price on a lot is 0.20.
- Lowest stop clock price percentage is set to 25 (%).
- If there are no buyers who are stopping the clock, the clock will stop on 0.20 minimum price.
- If a buyer stops the clock and buys the product on 0.40, the next time the clock will stop, will be on the 0.20 minimum price of the lot, because 25% of 0.40 = 0.10 (the calculated stop price is lower than the minimum price of the lot, 0.20).
- The new calculated stop/minimum price is **not** taken into account because it has a lower value compared to the minimum price.

3.6 Video streaming

In KOSMOS 23.2, we extend the video streaming feature with the support of the SRT streaming protocol. Currently, KOSMOS supports two different types of streams: RTSP and SRT.

Buyers remain able to follow these video streams (per clock) in a separate widget. The video streaming widget can also be opened in a separate tab.

3.7 Carriers (Trolleys)

KOSMOS supports different options to group (or not to group) the supply. Lots can be visualized and sold as individual lots, but can also be grouped based on configured properties. For example, all lots from the same product can be grouped and sold as one lot. In order to provide more possibilities at this level, KOSMOS 23.2 is extended with the use of "Carriers".

Carriers can be seen as the "physical transportation medium" for a certain amount of lots. A carrier (for example a Trolley) can be used at the auction, during transportation, at the supplier's or buyer's location,... Carriers are often used at flower auctions to transport the product, from the auction room to the distribution hall and further towards the customer.

With the support of "Carriers" in KOSMOS, we are able to group and order all lots in the clock which corresponds to the same carrier. All supply which is connected to a certain carrier, will be sold together, until the whole carrier is sold. Carrier per carrier.

The auctioneer and buyer will also be able to take off in different sales units. A buyer can buy (and take off) in the default sales unit (boxes, kg, units,...) but is also able to take off in a second sales unit (pallets, trolleys,...).

3.8 Prebids

In KOSMOS 23.2, a complete refactor of the prebids has been performed. This in order to be able to introduce new functionality in the near future, but also to support the use of prebids in all selling modes in the end. Previous KOSMOS versions only supported the use of prebids in the “Dutch” clock mode (or falling clock). Now, KOSMOS 23.2 also supports prebids in the **rising modes** (rising up, rising down up), in the **bidding modes** (bidding up, bidding down up),...

Besides to the existing functionality, KOSMOS is now extended with extra configuration options related to prebids. Instead of showing only the prebid price to the auctioneer, it is now also possible to show:

- the amount requested to the auctioneer
- (configured) buyer information

Another option is to enable/disable the use of short prebids. This was not possible in previous KOSMOS versions. Prebids and short prebids were enabled or disabled at the same time. Now, they can be enabled/disabled separately.

The screenshot shows the 'Edit catalog' interface with the 'PREBIDS' tab selected. The configuration options are as follows:

- Prebids: Enabled
- Prebid priority: Lower than realtime
- Min/max amounts: Prebids are ignored
- MTO amounts: Prebids are ignored
- Short prebids: Disabled
- Show amount:
- Show buyer info:

Buttons: SAVE, CANCEL

Another new option and functionality is the relationship between prebids and the active “MTO amounts”. (MTO = Multitude Take Off). Depending on the current configuration, prebids will be ignored or adjusted automatically. See also chapter [Multitude take off](#) for more information about the MTO feature.

4 Auctioneer

Overview of improvements for the auctioneer

The following list gives an overview of all auctioneer functions which have been modified, improved or added:

- Quarter functions (start clock behaviour)
- Minimum take off
- Multitude take off
- Automatic clock restart
- Automatic clock validation
- Round up & down
- Changing coin code
- Transaction widget
- Upcoming lots
- Minimum price dots
- Marker option

4.1 Quarter functions (start clock behaviour)

In KOSMOS it is possible to configure the clock start behaviour. The amount of clock steps that the clock will rise after starting the clock, starting the clock without a rising part,... This behaviour is now extended with the possibility to start the clock from a fixed clock position.

For example, the auctioneer could start the clock from a fixed position like 0-25-50-75 (any possible position from 0 to 99). For each necessary “Start clock function” KOSMOS will be configured with this function and the auctioneer is able to change/define the corresponding short key.

4.2 Minimum take off

KOSMOS 23.2 will be more flexible in the use of “Minimum take off” amounts. Where previous KOSMOS versions were limited in the use of 5 min/max amounts, KOSMOS is now configurable and unlimited. All required min/max amounts can be configured and provided to the end user (auctioneer).

The product management of KOSMOS allows product configurators to configure an unlimited amount of required min/max functions. And it is also possible to configure whether a function can be used during clock run or not.

Products > Flowers Joeri Hofman (Auction Cluster) English

General Properties Supply data Reports Grouping Grids Widgets **Auctioneer** Buyer Clock UI App (Buyer) Buy buttons

Widgets Popup **Function keys**

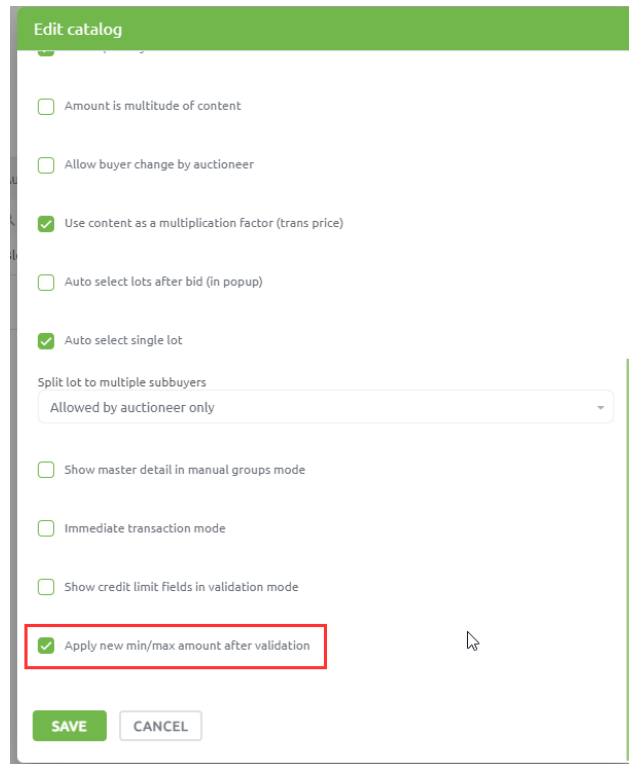
Expressions Actions

When specifying an expression, you can either use a fixed value or a expression formula ([documentation](#)). When specifying a decimal value, append the number with 'm' (e.g. 1.5m)

Name	Product property	Expression	Usable during clock run	
Min 1	MinAmount	ToDecimal(1m)	<input checked="" type="checkbox"/>	
Min 2	MinAmount	ToDecimal(2m)	<input checked="" type="checkbox"/>	
Min 3	MinAmount	ToDecimal(3m)	<input checked="" type="checkbox"/>	
Min 4	MinAmount	ToDecimal(4m)	<input checked="" type="checkbox"/>	
Min 5	MinAmount	ToDecimal(5m)	<input checked="" type="checkbox"/>	
Min 6	MinAmount	ToDecimal(6m)	<input checked="" type="checkbox"/>	
Min 7	MinAmount	ToDecimal(7m)	<input checked="" type="checkbox"/>	

Auctioneers can change the min/max amount during clock run by using the corresponding short key. Currently, KOSMOS also supports the option to choose when the change has been made. The auction can decide to apply the changes immediately, so when the clock is running and the auctioneer changes the min/max amount, the changes are applied immediately. Another possibility is that the changes are applied during the next clock start. This setting can be configured in the Catalog settings of the product.

In the screenshot below you can see that the min/max changes are applied after validation (so before the next clock start).



4.3 Multitude take off

KOSMOS already supports minimum and maximum amounts. In KOSMOS 23.2 we have added the option to use the new “Multitude Take off” feature. The MTO feature is a function which can be used by the auctioneer. The auctioneer is able to decide which amounts the buyer can purchase by defining the MTO value.

The requested amount needs to be a multitude of the current MTO value. If the auctioneer sets the MTO value to ‘2’, the buyer is only allowed to purchase 2-4-6-...

Depending on the configuration and settings, the requested amounts from the buyers will be automatically modified (rounded) to the nearest value which is a multitude of the current MTO value.

4.4 Automatic clock (re)start

In order to be able to automate (and speed up) the auction process more and more, KOSMOS 23.2 is extended with the option to automatically restart the clock after:

- Validation (creating transactions)
- SNAP (when buyers are stopping the clock during the price protection period)

Older KOSMOS versions already have an “Auto restart” option when the auctioneer validates a part of a lot. Here it was already possible to restart the clock automatically. But now, by extending this functionality, it is possible to restart the clock automatically or manually in all situations, when:

- A part of the lot is sold.
- When the last part of a lot is sold.
- When the entire lot is sold (at once).

Together with the KOSMOS experts, the necessary settings will be adjusted so that the automatic clock start behaviour is defined according to the customer’s needs.

4.5 Automatic clock validation

Besides to the available automatic clock restart options, KOSMOS is extended with an automatic validation process. An automatic validation process was already possible when buying with buy amount buttons and when using the buy popup and requesting a certain amount, but not in all cases.

In KOSMOS 23.2, there is a new setting “Auto-validate buyer choice”. This setting contains all possibilities to define the automatic validation behaviour:

- None
- Auto validate using the buy popup
- Auto validate using the buy amount buttons
- Auto validate using the buy popup and buy amount buttons

Apart from this automatic validation, during validation, all validation rules remain active! If validation is not possible, the auctioneer will be prompted to cancel or validate manually. A credit limit check is one of the possible reasons why a transaction cannot be validated automatically.

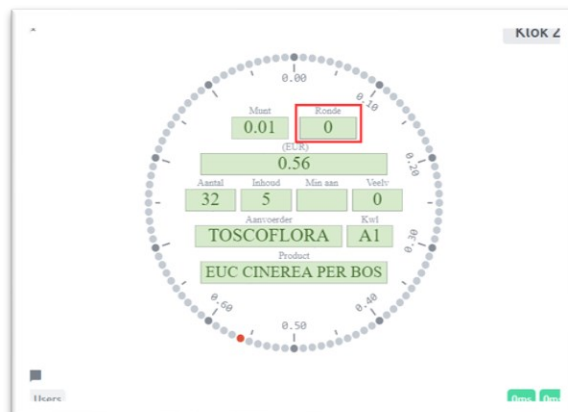
4.6 Round up & Round down

A complete new feature in KOSMOS 23.2 is the use of clock “rounds”. This is an alternative way to define the start price. Instead of using and defining the start price, auctioneers are now able to use an active round.

The active clock round, in combination with the dot position, will determine the exact price. For example, the auctioneer sets the round to 1, the dot is at position 45 and the current coin code is 0.01. Then the current price is set to 1.45. If the auctioneer changes the clock round to 2, the price becomes 2.45.

The current function keys to change, increase and decrease the start price will also be used to change the clock round.

Please find below an example of a clockface where the “Round” property is used.



4.7 Changing coin code

In KOSMOS 23.1 and older versions, the auctioneer is able to use the “Change coin code” function to toggle (change) between all available (configured) coin codes. This function was only possible when the clock was not running.

In this new KOSMOS version, it is possible to change the coin code when the clock is still in the rising part before it starts to fall down. This functionality is only available in the “Dutch auction” mode (or falling down clock).

In addition to being able to change the coin code during clock run, KOSMOS 23.2 also provides the necessary short keys for each coin code separately. In this way, the auctioneer does not need to toggle between all coin codes, he is able to directly change to the desired coin code. Short keys can be managed in the settings menu of the auctioneer.

4.8 Transaction widget

The transaction widget for the auctioneer is extended with extra functionality.

The transaction widget is extended with the option to group transactions. Transactions can be grouped based on a configured property. In this way, the auctioneer is also able to delete a group of transactions at once. For example: delete all transactions for a certain trolley or carrier.

Transactions - Klok 2							Clear buffer		
CARRIER ID	LOT	SUPPLIER	BUYER	SUB	PRICE	RECEIVED			
1									
	C	MEIJER ROSES B.V.	19900		0	0.21	9		
	B	MEIJER ROSES B.V.	19900		0	0.38	5		
	B	MEIJER ROSES B.V.	19900		0	0.32	4		
	A	MEIJER ROSES B.V.	19900		0	0.29	9		

4.9 Upcoming lots

In KOSMOS 23.2, the upcoming lots widget is extended with an optional functionality “Order”. The user is now able to choose the required order, from top to bottom or from bottom to top.

This enables the user to put the upcoming lots widget at a logical place. Either above the clock widget where the upcoming lots are ordered “Top-down” or below the clock widget where the upcoming lots are ordered “Bottom-Up”. This offers more flexibility for the auctioneer and buyer.

Upcoming lots - Klok 2																	
LOT	SUPPLIER	UNIT COUNT	PRESALES	COUNT PER UNIT	KEG	PRODUCT	COLOR	QUALITY	S1	S2	S3	S4	S5	S6			
A	ALGEMEEN/MARGINPAR	10		100	MEDIUM CONTAINER	PHLOX P ICECAP	Wit	A1	60 cm	2-3	5	5	Tanzania	A1			
A	ALGEMEEN/MARGINPAR	10		60	MEDIUM CONTAINER	ERYN MAGNETAR QSTAR	Blauw	A1	50 cm	2-3	10		Tanzania	A1			
A	ALGEMEEN/MARGINPAR	10		30	MEDIUM CONT+OPZETREK	ERYN SUPERNOVA QSTAR	Paars	A1	70 cm	2-3	10		Tanzania	A1			
A	LAPORTE HOLDINGS	18		50	REK KU GR + CONT. GR	LIM PE ENCHANTE	Blauw	A1	70 cm	40 gram	3-4	5	Blauw	Kenia			
A	VIREO-HEDERA PLANT	30		1	AANVOER ZONDER FUST	DRA MARGINATA	Niet van toepassing	A1	21 cm	21 cm	21 cm	110 cm	110 cm	110 cm			
B	VIREO-HEDERA PLANT	30		1	AANVOER ZONDER FUST	DRA MARG MAGENTA	Niet van toepassing	A1	21 cm	21 cm	21 cm	90 cm	90 cm	90 cm			

4.10 Minimum price dots

When working with a minimum price, it is possible to show the minimum price dot to the end user (buyer and auctioneer). The “minimum price dot” can now be configured to be visible in 2 different colours.

- A colour which is used when not in the final round.
- A colour which is used in the final round.

Users will be notified when the colour of the minimum price changes.

For example:

- Minimum price = 0.15
- Start price = 2.25
 - o Minimum price dot (position 15) is highlighted with colour A.
- Clock is running
 - o From price 2.25 to price 1.00, colour A is used for highlighting the minimum price dot.
 - o From price 0.99 (same round as minimum price), the minimum price dot colour will change to colour B.

4.11 Marker option

The auctioneer will also have a new “Marker” function. This function can be used in case of “strange or suspected behaviour”. This function will add a marker to the logging which can be useful afterwards during troubleshooting. The marker function will be listed in the settings menu. Here the user can modify the default assigned short key.

5 Buyer

Overview of improvements for the buyer

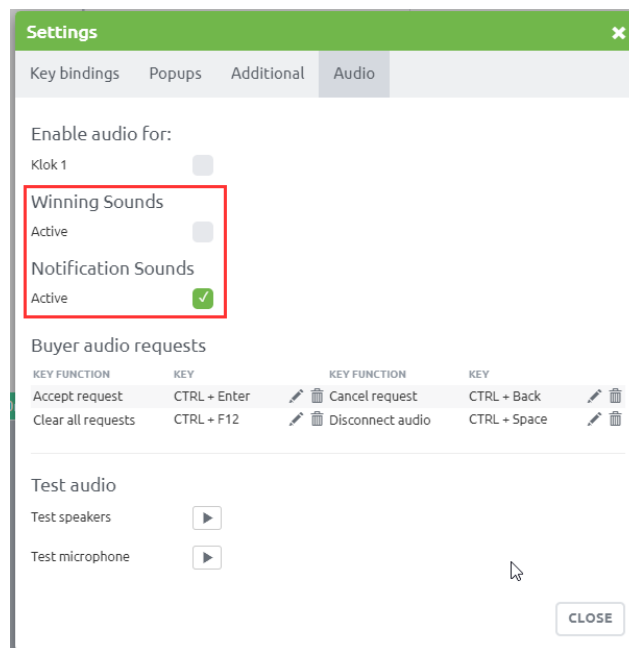
The following list gives an overview of all buyer functions which have been modified, improved or added:

- Clock buying sounds
- Prebids
- Transaction widget
- Upcoming lots
- Minimum price dots
- Buy amounts & audio buy

5.1 Clock buying sounds

In previous KOSMOS versions, we only supported a sound notification when working with prebids and markings. Users were notified when a (marked/prebid) lot became available in the upcoming lots, in order to draw their attention.

In KOSMOS 23.2, we have introduced **winning & notification** sounds. Buyers are now able to (de)activate the use of both sounds via the settings menu of the buyer application.



When are these sounds used?

Winning sounds are played when the buyer wins the lot. In case of multi-transaction (this mode becomes available in KOSMOS 24.1), it is possible that multiple buyers win on the same price. In this case, it is important that all validated buyers receive a notification (winning sound) to inform them.

In combination with the winning sound, we also have the **notification** sound. This sound is played (when buying with audio) when the auctioneer opens the audio connection with the buyer. In case of multi-transaction, it is possible that a certain buyer needs to wait until validation starts. Buyers who are buying with amount buttons are validated automatically, buyers who are buying with audio (or as a commissioner) need to wait until the audio connection with the auctioneer is opened. By activating the notification sound, a buyer is notified when the audio connection is established.

5.2 Transaction widget

The transaction widget for the buyer is extended with extra functionality.

The buyer is now able to receive a summary (totalisation) of his transactions. In the summary bar, the total price and total quantity (total units bought) are calculated and visualized. The buyer receives the summary when transactions are filtered on “Buyer transactions” and “User transactions” (depending on the selected mode). If the auction decides to show all transactions to all buyers, the summary and totals are not available.

Transactions - Klok 2										
QUALITY	S1	S2	S3	S4	PRODUCT	COUNT PER UNIT	SUBNUMBER	KEG	UNIT COUNT	PRICE
A1	80 cm	350 gram	Niet van toepassing	Nvt	EUC CINEREA PER BOS	5	0	CONT. + REK KLEIN	17	0.87
A1	80 cm	350 gram	Niet van toepassing	Nvt	EUC CINEREA PER BOS	5	0	CONT. + REK KLEIN	5	1.03
A1	80 cm	350 gram	Niet van toepassing	Nvt	EUC CINEREA PER BOS	5	0	CONT. + REK KLEIN	10	0.27
									32	22.64

5.3 Upcoming lots

See chapter [Upcoming lots](#) for more information about the changes in the Upcoming lots widget. These changes are applied for the buyer and auctioneer.

5.4 Minimum price dots

Just as it is possible to show the minimum price dot to the auctioneer, it is also possible to show the minimum price dot to the buyers. See chapter [Minimum price dots](#) for more information.

5.5 Buy amounts and audio buy (buying as a commissioner)

In order to speed up the auction, KOSMOS already supports the use of buy amount buttons. Instead of stopping the clock with the regular purchase button and using the buy popup or audio connection to request a certain amount, it is now possible to purchase with a combination of buy amount buttons and audio. In KOSMOS we call this buying as a commissioner or using the Multi-buy option.

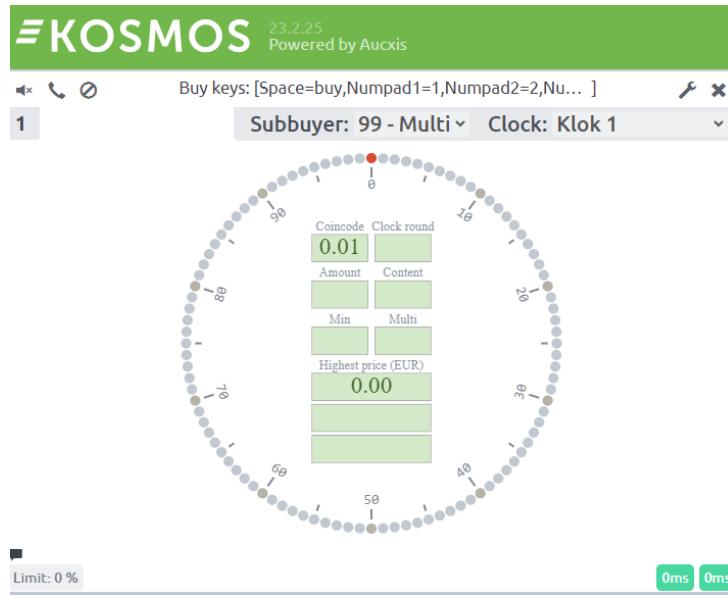
If the “Multi-buy” option is active, buyers receive an extra sub-buyer (99) in their dropdown list (in the clock widget).

When the buyer selects sub-buyer 99 and he/she is using the buy amount buttons to buy, the audio with the auctioneer is opened from the moment this buyer is validated (by the auctioneer). When the audio is opened, the notification beep is played so the buyer is informed that the audio connection is activated.

At this point, the buyer can tell the auctioneer how to split/divide the requested amount among different sub-buyers. Once validation is done, the audio connection (from buyer to auctioneer) is closed again.

An additional function and corresponding short key will be provided which can be used by the user (buyer). By using the short key, sub-buyer 99 will be automatically selected. So the buyer does not need to select this sub-buyer manually from the list (dropdown).

This function is not a toggle function. It is only for selecting and activating sub-buyer 99. If the buyer wants to change the active sub-buyer, he/she needs to do this manually (using dropdown).



This short key can also be configured via the buyer's settings menu. By default, the short key is not assigned. The user can assign the preferred short key or the default layout can be configured during configuration so that the short key is assigned to a key.

