



LR20 Receiver

Compact Receiver for Compact Machines



Applications

- Landscaping, building pads, sports fields, concrete flatwork, tennis courts
- Ideal for mini-excavators
- Footers, storm drains, utility, sewage
- General construction grade and depth control



Key Features and Benefits

- Designed to be used on smaller machines – LR20-1 comes with smaller adjustable magnetic mount ideal for mini-excavators
- 360 degree reception and 8 inch (203 mm) vertical reception provide large working area and range making it easier to get to desired elevation without over-digging
- Rugged housing allows the receiver to be used in the toughest jobsite conditions
- Super bright LED display providing easily visible depth and elevation control to the user
- Easy to use with a simple push button set-up
- Ideal for both grading and excavating
- Built-in plumb indication makes grade checking simple and easy and avoids errors

Part No.	Batteries	Magnetic Mount
LR20	NiMH	No
LR20-1	NiMH	MMM

LR30 & LR30W Receiver

Used on Dozers, Box Blades, Levelers



Applications

- Machine mounted grade checking
- Grading and leveling

Key Features and Benefits

- Three selectable accuracy settings allowing the user to rough grade through to final finish
- Full 360 degree reception – picking up the laser beam wherever you are working reducing downtime and eliminating errors
- Choice of batteries and mounting kit packages
- LR30W provides wireless link to RD20



remote display that can be placed in cab in the operators peripheral vision so they concentrate on what is happening at the bucket or blade

- Robust and built for jobsite environment – 2 year warranty

Part No.	Batteries	Mount
LR30	NiMH	No
LR30-1	Alkaline	No

Part No.	Batteries	Mount	Remote Display
LR30W	NiMH	No	RD20
LR30W-MM	NiMH	MM-1	RD20
LR30W-DM	NiMH	DM-20	RD20

MACHINE DISPLAY RECEIVERS

LR50 & LR50W Receiver

Blade Tilt and Plumb Indicator



Applications

- Machine mounted grade checking
- Grading and leveling
- Excavation and trenching

Key Features and Benefits

- Plumb Indication – for fast, accurate grade checking when excavating
- Blade Tilt Indication – helps the operator keep the blade level for increased accuracy and productivity. Tilt can be set to an existing angle too providing more flexibility for the operator
- Center on-grade provides an equal amount of grade information above and below grade when used on grading machines

Part No.	Batteries	Magnetic Mount
LR50	NiMH	No
LR50-MM	NiMH	MM-1
LR50-1	Alkaline	No



- Offset on-grade provides more range above the on-grade position using the entire receiver to avoid over-digging
- LR50W provides wireless link to RD20 remote display in cab for easier reference by the operator
- Robust and built for jobsite environment – 2 year warranty

Part No.	Batteries	Mount	Remote Display
LR50W	NiMH	No	RD20
LR50W-MM	NiMH	MM-1	RD20
LR50W-DM	NiMH	DM-20	RD20

LR60 & LR60W Receiver

Angle Compensation for Excavation



Applications

- Machine mounted grade checking
- Grading and leveling
- Excavation and trenching

Key Features and Benefits

- Patented Angle Compensation Indication - automatically calculates and corrects the grade display for the angle of the dipper arm when excavating allowing the operator to check grade in multiple locations without moving the machine
- Check grade with the dipper arm extended to or retracted up to 30 degrees
- Four selectable accuracies – allowing for rough or precise work

Part No.	Batteries	Magnetic Mount
LR60	NiMH	No
LR60-MM	NiMH	MM-1



- Center on-grade provides an equal amount of grade information above and below on-grade when used with dozers, mini-graders, levellers and drag boxes
- Offset on-grade provides more range above the on-grade position using the entire receiver to avoid over-digging
- Robust and built for jobsite environment – 2 year warranty

Part No.	Batteries	Mount	Remote Display
LR60W	NiMH	No	RD20



Receiver Accessories

Wireless Remote Display and Mounts



RD20 Wireless Remote Display



- Wireless remote mounts in the cab and displays grade information to the operator. Helps keep focus on the work and not on the receiver for higher productivity. Works with LR30W, LR50W & LR60W

Applications

- Remote Display is used when the receiver is behind the operator or is otherwise difficult to see, i.e. pulled drag boxes, scrapers, or trenchers
- Magnetic Mount is used to quickly attach receivers to backhoes and excavators

Part No.	Description
RD20	RD20 Remote Display
RDM-1	Mount, RD10 Swivel
024015	Cable, Power, 25 ft (7.6 M) LR30, LR50, LR60
MM-1	Magnetic Mount for LR Receivers
DM-20	Bulldozer Bolt-On Mount

MM-1 Magnetic Mount



- Works with all LR receivers and quickly attaches to the dipper arms of excavators or backhoes
- Strong dual magnet packs will not slip on the machine
- Magnets are adjustable, can be positioned around hoses or piping, for quick installation and set-up
- Release lever aids in detaching from machine








DM-20 Dozer Bolt-On Mast



- Adjustable mount installs with no welding. The mast mount bolts instantly to machines that come from the factory in popular configurations.



Product Application

Machine Type	Model	Application
Backhoe 	Use CR700 or LR20 or LR50	Excavating
Skid-steer Loader 	Use CR700 or LR20 or LR30 or LR30W (w/remote display)	Grading
Mini Excavator 	Use CR700 or LR20 or LR50 or LR50W (w/remote display)	Excavating
Skid-steer w/blade 	Use LR30 or LR50 or LR30W/LR50W (w/remote display)	Grading
Smaller Dozer 	Use LR30 or LR30W (w/remote display)	Grading
Large Excavator 	Use LR60 or LR60W (w/remote display)	Excavating
Large Dozer 	Use LR50 or LR50W (w/remote display)	Grading

LASER ACCESSORIES

Accessories and Components for Rotating Lasers

Cases



All rotating lasers are housed in a jobsite-tough carrying case with customized pockets to hold all accessories

1282-1970	LL100/HV101 Small Carrying Case
1282-1981	LL100/HV101 Large System Case
5289-0025	GL4X2N, LL300N, LL300S, LL400HV Small Carrying Case
128994-00	GL1425C Small Carrying Case
5289-0026	HV302, HV302G Small Carrying Case
5289-0027	LL300N, LL300S, LL400HV HV302, HV302G System Carrying Case
Q104736	UL633/GL6X2 Carrying Case
1046-4750S	LL500 Carrying Case
1445-0860S	GL7XX Carrying Case

Wall Mounts



M101 wall mount for HV101



M302 wall mount for HV320/HV302G

Signal Transporter



ST805 increases the radio distance up to two times of grade lasers, pipe lasers HV302 and LL300S lasers

Remote Controls



RC601 Remote Control for HV101, HV301, HV301G, LL100, LL100N, LL300, LL300N
 RC402N Remote Control for LL300S, HV302, HV302G, GL4X2N
 RC1402 Remote Control for GL1425C
 RC602N Remote Control for GL6X2N
 RC603N Remote Control for UL633N

Laser Glasses



Q100206 Red Laser Glasses
 Q104252 Green Laser Glasses
 Increases the visibility of the laser beam under bright light conditions

Targets



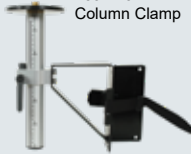
1176-6 Red Magnetic Visiline Target
 Q100206 Green Magnetic Visiline Target
 ■ Optically enhanced, patented – increases beam visibility by 2.5 times.
 ■ Half translucent, half reflective
 ■ Magnetic mounting, magnet is permanently molded in for extra durability

Clamps

M402 Batter Board Clamp



4852-15 Column Clamp



M401 Tilting Base



M156 Rotation Trivet for Laser Tools



TR10 Mini Tripod for Laser Tools



Accessories and Components for Universal Laser



RC603N Combined Radio/IR Remote Control for all applications including pipe laying



SF601 Spot Finder for manual and automatic detection of the plumb beam



Q104865 Adapter for SF601 allows various setups



HL760 Digital Receiver to measure and display beam location



Optional 1243-0101 Sighting Scope

Included Pipe Laser Accessories



RC803 Remote



956 / 956G Optically Enhanced Target



1248 Trivet Plate



Q104667 Rechargeable NiMH Pack, 10 Ah



Q104781 Charger



Spot Finder SF803 (DG813)



ST805 Transporter (DG813)

Optional Pipe Laser Accessories



929 Blower



1017 Manhole Mount



936 Adjustable Large Pipe Target



1161 Heavy-Duty Wood Tripod



1263 Sighting Scope with Adapter



1244 T-Bar



1230/1237 Metal Invert Plate



P25 Cable w/ Cigarette Lighter Plug



1239 Extended Height Vertical Pole



P24 Pole Adapter for Spot Finder SF803